

# Product Data Sheet

## Recombinant Human IRF5 Protein

| Catalog #                 | Source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Reactivity | Applications        |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|
| CRP1832                   | E. coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | H          | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant Human IRF5 Protein is produced by E. coli expression system and the target gene encoding Met1-Gln498 is expressed with a 6His tag at the C-terminus.                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                     |
| <b>Form</b>               | Liquid in a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, 30% Glycerol, 1mM DTT, pH 8.0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |                     |
| <b>Gene Symbol</b>        | IRF5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                     |
| <b>Alternative Names</b>  | Interferon regulatory factor 5; IRF-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |                     |
| <b>Entrez Gene</b>        | 3663 (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                     |
| <b>SwissProt</b>          | Q13568 (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                     |
| <b>Chemical Structure</b> | MNQSIPVAPT PPRRVRLKPW LVAQVNSCQY PGLQWVNGEK KLFCIPWRHA<br>TRHGPSQDGD NTIFKAWAKE TGKYTEGVDE ADPAKWKANL RCALNKS RDF RLIYDGPRDM<br>PPQPYKIYEV CSNGPAPTDS QPPEDYSFGA GEEEEEEEL QRMLPSLSLT EDVKWPPTLQ<br>PPTLRPPTLQ PPTLQPPVVL GPPAPDPSPL APPPGNPAGF RELLSEVLEP GPLPASLPPA<br>GEQLLPDLLI SPHMLPLTDL EIKFQYRGRP PRALTISNPH GCRLFYSQLE ATQEQVELFG<br>PISLEQVRFP SPEDIPSDKQ RFYTNQLLDV LDRGLILQLQ GQDLYAIRLC QCKVFWSGPC<br>ASAHDSCP NP IQREVTKLFL SLEHFLNELI LFQKGQTNT PPFEIFFCFG EEWPDRKPRE<br>KKLITVQVVP VAARLLLEMF SGELSW SADS IRLQISNPDL KDRMVEQFKE LHHIWQSQQR<br>LQPVAQAPPG AGLGVGQGPW PMHPAGMQLE HHHHHH |            |                     |
| <b>Quality Control</b>    | Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            |                     |
| <b>Directions for Use</b> | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot                                                                                                                                                                                                                                                                                                                                                                                                                               |            |                     |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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the reconstituted solution to minimize freeze-thaw cycles.

### Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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