

# Product Data Sheet

## Recombinant Human LYZ Protein

| Catalog #                 | Source                                                                                                                                                                                                                             | Reactivity | Applications        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|
| CRP1934                   | Human cells                                                                                                                                                                                                                        | H          | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant Human LYZ Protein is produced by mammalian expression system and the target gene encoding Lys19-Val148 is expressed with a 6His tag at the C-terminus.                                                                 |            |                     |
| <b>Form</b>               | Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.                                                                                                                                           |            |                     |
| <b>Gene Symbol</b>        | LYZ                                                                                                                                                                                                                                |            |                     |
| <b>Alternative Names</b>  | LZM; Lysozyme C; 1,4-beta-N-acetylmuramidase C                                                                                                                                                                                     |            |                     |
| <b>Entrez Gene</b>        | 4069 (Human)                                                                                                                                                                                                                       |            |                     |
| <b>SwissProt</b>          | P61626 (Human)                                                                                                                                                                                                                     |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                               |            |                     |
| <b>Chemical Structure</b> | KVFERCELAR TLKRLGMDGY RGISLANWMC LAKWESGYNT RATNYNAGDR STDYGIFQIN<br>SRYWCNDGKT PGAVNACHLS CSALLQDNIA DAVACAKRVV RDPQGIRAWV<br>AWRNRCQNRD VRQYVQGCGV VDHHHHHH                                                                      |            |                     |
| <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 the reconstituted solution to minimize freeze-thaw cycles. |            |                     |
| <b>Storage/Stability</b>  | 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.                                                                                   |            |                     |

**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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