

Product Data Sheet

Recombinant Human OGG1 Protein

Catalog #	Source	Reactivity	Applications
CRP2042	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human OGG1 Protein is produced by E.coli expression system and the target gene encoding Met1-Gly345 is expressed with a GST tag at the N-terminus.		
Form	Liquid in a 0.2 μM filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 1mM EDTA, 50% Glycerol, pH 7.8.		
Gene Symbol	OGG1		
Alternative Names	MMH; MUTM; OGH1; N-glycosylase/DNA lyase		
Entrez Gene	4968 (Human)		
SwissProt	O15527 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSMPAR ALLPRRMGHR TLASTPALWA SIPCPRSELR LDLVLPQGQS FRWREQSPAH WSGVLADQVW TLTQTEEQHL CTVYRGDKSQ ASRPTPDELE AVRKYFQLDV TLAQLYHHWG SVDSHFQEVA QKFQGVRLLR QDPIECLFSF ICSSNNNIAR ITGMVERLCQ AFGPRLIQLD DVTYHGFPST QALAGPEVEA HLRKLGLGYR ARYVSASARA ILEEQGGLAW LQQLRSSYE EAHKALCILP GVGTKVADCI CLMALDKPQA VPVDVHMWHI AQRDYSWHPT TSQAKGPSPQ TNKELGNFFR SLWGPPYAGWA QAVLFSADLR QSRHAQEPPA KRRKGSKGPE G		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not		
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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recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot 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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