

Product Data Sheet

Recombinant Human ESD Protein

Catalog #	Source	Reactivity	Applications
CRP1506	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human ESD Protein is produced by E. coli expression system and the target gene encoding Met1-Ala282 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 10% Glycerol, pH 8.0.		
Gene Symbol	ESD		
Alternative Names	S-formylglutathione hydrolase; FGH; Esterase D; Methylumbelliferyl-acetate deacetylase		
Entrez Gene	2098 (Human)		
SwissProt	P10768 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MALKQISSNK CFGGLQKVFE HDSVELNCKM KFAVYLPPKA ETGKCPALYW LSGLTCTEQN FISKSGYHQS ASEHGLVVIA PDTSPRGCNI KGEDESWDFG TGAGFYVDAT EDPWKTNYRM YSYVTEELPQ LINANFPVDP QRMSIFGHSM GGHGALICAL KNPNGKYKSVS AFAPICNPVL CPWGGKAFSG YLGTDQSKWK AYDATHLVKS YPGSQLDILI DQGKDDQFLL DGQLLPDNFI AACTEKKIPV VFRLQEDYDH SYFYIATFIT DHIRHHAKYL NALEHHHHHH		
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 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.		

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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