

Recombinant Human Esterase D, His-tagged

Cat. No. ESD-1682H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Esterase D protein, fused to His-tag, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	Esterase D, also known as formylglutathione hydrolase, belongs to the esterase D family. Esterase D is active toward numerous substrates including O-acetylated sialic acids, and it may be involved in the recycling of sialic acids. This protein is used as a genetic marker for retinoblastoma and Wilson's disease.
Concentration	1 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 10% glycerol.
Purity	> 95% by SDS - PAGE
Sequence	1-282 amino acids: MGSSHHHHHH SSGLVPRGSH MALKQISSNK CFGGLQKVFE HDSVELNCKM KFAVYLPPKA ETGKCPALYW LSGLTCTEQN FISKSGYHQS ASEHGLVVIA PDTSPRGCN KGEDESWDFG TGAGFYVDAT EDPWKNTYRM YSYVTEELPQ LINANFPVDP QRMSIFGHSM GGHGALICAL KNPGKYKSVS AFAPICNPVL CPWGKKA FSG YLGTD
Molecular Mass	33.6 kDa (302aa), confirmed by MALDI-TOF.

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Applications	SDS - PAGE
Storage	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or - 70 deg C for long term storage. Avoid repeated freeze/thaw cycles.
GENE INFORMATION	
Gene Name	ESD esterase D [Homo sapiens]
Official Symbol	ESD
Synonyms	ESD; esterase D/formylglutathione hydrolase; FGH; FLJ11763; esterase 10; S-formylglutathione hydrolase; EC 3.1.2.12; Esterase D; OTTHUMP00000018374; OTTHUMP00000040929
Gene ID	2098
mRNA Refseq	NM_001984
Protein Refseq	NP_001975
MIM	133280
UniProt ID	P10768
Chromosome Location	13q14.1-q14.2
Function	S-formylglutathione hydrolase activity; carboxylesterase activity