

## Recombinant Human Esterase D, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Esterase D protein, fused to His-tag, was expressed in E. coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	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.
<b>Concentration</b>	1 mg/ml
<b>Form</b>	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 10% glycerol.
<b>Purity</b>	> 95% by SDS - PAGE
<b>Sequence</b>	1-282 amino acids: MGSSHHHHHH SGLVPRGSH MALKQISSNK CFGGLQKVFE HDSVELNCKM KFAVYLPKA ETGKCPALYW LSGLTCTEQN FISKSGYHQS ASEHGLVVIA PDTSPRGCNI KGEDESWDFG TGAGFYVDAT EDPWKTNRYM YSYVTEELPQ LINANFPVDP QRMSIFGHSM GGHGALICAL KNPGKYKSVS AFAPICNPVL CPWGKKA FSG YLGTD
<b>Molecular Mass</b>	33.6 kDa (302aa), confirmed by MALDI-TOF.

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<b>Applications</b>	SDS - PAGE
<b>Storage</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	ESD esterase D [ Homo sapiens ]
<b>Official Symbol</b>	ESD
<b>Synonyms</b>	ESD; esterase D/formylglutathione hydrolase; FGH; FLJ11763; esterase 10; S-formylglutathione hydrolase; EC 3.1.2.12; Esterase D; OTTHUMP00000018374; OTTHUMP00000040929
<b>Gene ID</b>	2098
<b>mRNA Refseq</b>	NM_001984
<b>Protein Refseq</b>	NP_001975
<b>MIM</b>	133280
<b>UniProt ID</b>	P10768
<b>Chromosome Location</b>	13q14.1-q14.2
<b>Function</b>	S-formylglutathione hydrolase activity; carboxylesterase activity

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