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 PDTSPRGCNI KGEDESWDFG TGAGFYVDAT EDPWKTNYRM YSYVTEELPQ LINANFPVDP QRMSIFGHSM GGHGALICAL KNPGKYKSVS AFAPICNPVL CPWGKKAFSG 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

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