

Recombinant Human Esterase D/Formylglutathione Hydrolase

Cat. No. ESD-376H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Esterase D protein was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 33.6 kDa (302aa).
Species	Human
Source	E.coli
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.
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MALKQISSNK CFGGLQKVFE HDSVELNCKM KFAVYLPPKA ETGKCPALYW LSGLTCTEQN FISKSGYHQS ASEHGLVIA PDTSPRGCNI KGEDESWDFG TGAGFYVDAT EDPWKTNYRM YSYVTEELPQ LINANFPVDP QRMSIFGHSM GGHGALICAL KNPGKYKSVS AFAPICNPVL CPWGKKA FSG YLGT DQSKWK AYDATHLVKS YPGSQLDILI DQ GKDDQFL DGQLLPDNFI AACTEKKIPV VFRLQEDYDH SYYFIATFIT DHIRHHAKYL NA
Form	Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol.
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

ESD esterase D/formylglutathione hydrolase [Homo sapiens]

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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