

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	MGSSHHHHHH SSGLVPRGSH MALKQISSNK CFGGLQKVFE HDSVELNCKM KFAVYLPPKA ETGKCPALYW LSGLTCTEQN FISKSGYHQS ASEHGLVVIA PDTSPRGCNI KGEDESWDFG TGAGFYVDAT EDPWKTYNRM YSYVTEELPQ LINANFPVDP QRMSIFGHSM GGHGALICAL KNPGKYKSVS AFAPICNPVL CPWGKKAFFSG YLGTDQSKWK AYDATHLVKS YPGSQLDILI DQKDDQFLL 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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