

Esterase D,S-Formylglutathione Hydrolase Recombinant Protein | ESD recombinant protein

Recombinant Human Esterase D,S-Formylglutathione Hydrolase

CATALOG # AAA38655	HOST E Coli
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PRODUCT SYNONYMS

Esterase D; S-Formylglutathione Hydrolase; Recombinant Human Esterase D; Esterase D Human; S-Formylglutathione Hydrolase Human Recombinant; S-formylglutathione hydrolase; FGH; ESD; FLJ11763; esterase D/formylglutathione hydrolase; Esterase-D; ESD recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The Esterase-D solution contains 20mM Tris-HCl buffer (pH8.0) and 10% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMAL KQISSNKCFG GLQKVFEHDS VELNCKMKFA VYLPPKAETG KCPALYWLSG LTCTEQNFIS KSGYHQSASE HGLVVIAPDT SPRGCNIKGE DESWDFGTGA GFYVDATEDP WKTNYRMYSY VTEELPQLIN ANFPVDPQRM SIFGHSMGGH GALICALKNP GKYKSVSAFA PICNPVLCPW GKKAFFSGYLG TDQSKWKAYD ATHLVKSYPG SQLDILIDQG KDDQFLLDGQ LLPDNFIAAC TEKKIPVVFR LQEDYDHSYY FIATFITDHI RHHAKYLNA
Sequence Length	282
Preparation and Storage	Esterase-D although stable 4 degree C for 4 weeks, should be stored desiccated below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for ESD recombinant protein	Description: Esterase-D Human Recombinant fused with 20 amino acid His tag at N-terminus produced in E Coli is a single, non-glycosylated, polypeptide chain containing 302 amino acids (1-282 a.a.) and having a molecular mass of 33.6kDa. The Esterase-D is purified by proprietary chromatographic techniques. Introduction: Formylglutathione hydrolase (Esterase D) is a member of the esterase D family. Esterase D is a serine hydrolase involved in the detoxification of formaldehyde. Esterase D is active toward various substrates including O-acetylated sialic acids, and it may possibly be involved in the recycling of sialic acids. Esterase D is used as a genetic marker for retinoblastoma and Wilson's disease.
Product Categories/Family for ESD recombinant protein	Enzymes; Esterase

NCBI AND UNIPROT INFORMATION

NCBI GI #	33413400
NCBI GeneID	2098
NCBI Accession #	NP_001975.1
NCBI GenBank Nucleotide #	NM_001984.1
UniProt Accession #	P10768; Q5TBU8; Q5TBV0; Q5TBV2; Q9BVJ2

Molecular Weight	31,463 Da
NCBI Official Full Name	S-formylglutathione hydrolase
NCBI Official Synonym Full Names	esterase D
NCBI Official Symbol	ESD
NCBI Official Synonym Symbols	FGH
NCBI Protein Information	S-formylglutathione hydrolase; esterase 10; esterase D/formylglutathione hydrolase; methylumbelliferyl-acetate deacetylase
UniProt Protein Name	S-formylglutathione hydrolase
UniProt Gene Name	ESD
UniProt Synonym Gene Names	FGH
UniProt Entry Name	ESTD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/esd-recombinant-protein-e-coli/38655>