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Datasheet for ABIN1096672

Esterase D Protein (ESD) (AA 1-282) (His tag)

Overview

Quantity:	50 µg
Target:	Esterase D (ESD)
Protein Characteristics:	AA 1-282
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Esterase D protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Esterase D (C-6His)
Sequence:	MALKQISSNK CFGGLQKVFE HDSVELNCKM KFAVYLPPKA ETGKCPALYW LSGLTCTEQN FISKSGYHQS ASEHGLVVIA PDTSPRGCNI KGEDESWDFG TGAGFYVDAT EDPWKTNRYM YSYVTEELPQ LINANFPVDP QRMSIFGHSM GGHGALICAL KNPGKYKSVS AFAPICNPVL CPWGKKAFFSG YLGTDQSKWK AYDATHLVKS YPGSQLDILI DQGKDDQFLL DGQLLPDNFI AACTEKKIPV VFRLQEDYDH SYYFIATFIT DHIRHHAKYL NALEHHHHHHH
Characteristics:	Recombinant Human Esterase D is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Ala282) of Human Esterase D.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target: Esterase D (ESD)

Alternative Name: Esterase D ([ESD Products](#))

Background: Human Esterase D is a serine hydrolase that is involved in the detoxification of formaldehyde. Esterase D plays a part in a variety of substrates, including O-acetylated sialic acids, which may involve in the recycling of sialic acids. Esterase D can be used as a genetic marker for retinoblastoma and Wilson's disease.

Alternative Names: S-Formylglutathione Hydrolase, FGH, Esterase D, Methylumbelliferyl-Acetate Deacetylase, ESD

Molecular Weight: 32.59 kDa

UniProt: [P10768](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 10 % Glycerol, pH 8.0.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: -80 °C

Storage Comment: Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

Expiry Date: 6 months