

Recombinant Human ESD Protein, His-tagged

Cat. No. ESD-1443H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ESD Protein (Ala2-Ala282) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala2-Ala282
Description	This gene encodes a serine hydrolase that belongs to the esterase D family. The encoded enzyme is active toward numerous substrates including O-acetylated sialic acids, and it may be involved in the recycling of sialic acids. This gene is used as a genetic marker for retinoblastoma and Wilson's disease.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35 kDa Accurate Molecular Mass: 34 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

 Tel: 1-631-559-9269 1-516-512-3133

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

ESD esterase D [Homo sapiens (human)]

Official Symbol

ESD

Synonyms

ESD; esterase D; esterase D/formylglutathione hydrolase; S-formylglutathione hydrolase; S formylglutathione hydrolase; esterase 10; methylumbelliferyl-acetate deacetylase; FGH; FLJ11763;

Gene ID

2098

mRNA Refseq

NM_001984

Protein Refseq

NP_001975

MIM

133280

UniProt ID

P10768

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