

## Recombinant Human ESD Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ESD Protein (Ala2-Ala282) with N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala2-Ala282
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 35 kDa Accurate Molecular Mass: 34 kDa
<b>Purity</b>	> 95%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA