

Recombinant Human ESD, His tagged

Cat. No. ESD-566H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ESD mature form (Q99426) (Met1-Ala282), fused with a polyhistidine tag at the N-terminus, was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-282 a.a.
Predicted N Terminal	His
Form	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The recombinant human ESD consists of 297 amino acids and predicts a molecular mass of 33.4 KDa. It migrates as an approximately 34 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name ESD esterase D [Homo sapiens]

Official Symbol ESD

Gene ID 2098

mRNA Refseq NM_001984

Protein Refseq NP_001975

MIM 133280

UniProt ID P10768

Chromosome Location 13q14.1-q14.2

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