

# Recombinant Full Length Human ESD Protein, C-Flag-tagged

Cat. No. ESD-1173HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human ESD Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<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>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	31.3 kDa
<b>AA Sequence</b>	MALKQISSNKCFGGLQKVFEHDSVELNCKMKFAVYLPPKAETGKCPALYWLSGLTC TEQNFISKSGYHQS ASEHGLVVIAPDTS PRGCNIKGEDES WDFGTGAGFYVDATED PWKTNYRMYSYVTEELPQLINANFPVDP QRMSIFGHSMGGHGALICALKNPGKYKS VSAFAPICNPVLC PWGKKAFSGYLGTDQSKWKAYDATHLVKS YPGSQLDILIDQ GK DDQFLLDGQLLPDNFIAACTEKKIPVVFRLQEDYDHSYYFIATFITDHIRHHAKYL NATRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	ESD esterase D [ Homo sapiens (human) ]
<b>Official Symbol</b>	ESD
<b>Synonyms</b>	FGH
<b>Gene ID</b>	2098
<b>mRNA Refseq</b>	NM_001984.2
<b>Protein Refseq</b>	NP_001975.1
<b>MIM</b>	133280
<b>UniProt ID</b>	P10768

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Coomassie blue staining of purified ESD protein.

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