

Recombinant Human ESD Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ESD-1661H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ESD MS Standard C13 and N15-labeled recombinant protein (NP_001975) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	31.5 kDa
AA Sequence	MALKQISSNKCFFGLQKVFEHDSVELNCKMKFAVYLPPKAETGKCPALYWLSGLTC TEQNFISKSGYHQSAEHGLVVIAPDTSPRGCNIKGEDESWDFGTGAGFYVDATED PWKTNYRMYSYVTEELPQLINANFPVDPQRMSIFGHSMGGHGALICALKNPGKYKS VSAFAPICNPVLCPWGKKAFSGYLGTQSKWKAYDATHLVKSYPGSQLDILIDQGKD DQFLLDGQLLPDNFIAACTEKKIPVVFRLQEDYDHSYYFIATFITDHIRHHAKYLNATR TRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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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SDS-PAGE

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