

Product datasheet for **TP300533M**

ESD (NM_001984) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human esterase D/formylglutathione hydrolase (ESD), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC200533 protein sequence
Red=Cloning site **Green**=Tags(s)

MALKQISSNKCFGGLQKVFEHDSVELNCKMKFAVYLPKAETGKCPALYWLSGLTCTEQNFISKSGYHQSA
SEHGLVVIAPDTSPRGCNIKGEDESDFGTGAGFYVDATEDPWKTNYRMYSVTEELPQLINANFPVDP
QRMSIFGHSMGGHGALICALKNPGKYKVSFAFAPICNPVLCPWGKKAFFSGYLGTDQSKWKAYDATHLVKS
YPGSQLDILIDQGKDDQFLLDGQLLPDNFIAACTEKKIPVVFRLQEDYDHSYFIATFITDHIRHHAKYL
NA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 31.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001975](#)

Locus ID: 2098



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UniProt ID: [P10768](#), [A0A140VJJ2](#)
RefSeq Size: 1208
Cytogenetics: 13q14.2
RefSeq ORF: 846
Synonyms: FGH

Summary: 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. [provided by RefSeq, Feb 2009]

Product images:



Coomassie blue staining of purified ESD protein (Cat# [TP300533]). The protein was produced from HEK293T cells transfected with ESD cDNA clone (Cat# [RC200533]) using MegaTran 2.0 (Cat# [TT210002]).