

Product datasheet for **TP300693**

HERPUD1 (NM_001010989) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1 (HERPUD1), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200693 representing NM_001010989 Red =Cloning site Green =Tags(s)

MESETEPEPVTLVVKSPNQRHRDLELSGDRGWSVGHLKAHLSRVYPERPRPEDQRLIYSGKLLLDHQCLR
DLLPKQEKRHVHLVLCNVKSPSKMPEINAKVAESTEEPAGSNRGQYPEDSSSDGLRQREVLRLNLSSPGWE
NISRPEAAQQAFQGLGPGFSGYTPYGWLQLSWFQQIYARQYYMQYLAATAASGAFVPPPSAQEIPVVSAP
APAPIHNQFPAENQPANQNAAPQVWVNPANQNLRMNAQGGPIVEEDDEINRDWLDWTYSAATFSVF
LSI
LYFYSSLSRFLMVMGATVVMYLHHVGVFPRPRPVQNFNDGPPPDVWVNDPNNNLQEGTDPETEDP
NHL
PPDRDVL DGEQTSPSFMSTAWLVFKTFFASLLPEGPPAIAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

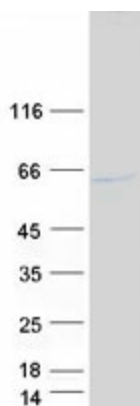
Tag:	C-Myc/DDK
Predicted MW:	43.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_001010989
Locus ID:	9709
UniProt ID:	Q15011
RefSeq Size:	2195
Cytogenetics:	16q13
RefSeq ORF:	1173
Synonyms:	HERP; Mif1; SUP
Summary:	The accumulation of unfolded proteins in the endoplasmic reticulum (ER) triggers the ER stress response. This response includes the inhibition of translation to prevent further accumulation of unfolded proteins, the increased expression of proteins involved in polypeptide folding, known as the unfolded protein response (UPR), and the destruction of misfolded proteins by the ER-associated protein degradation (ERAD) system. This gene may play a role in both UPR and ERAD. Its expression is induced by UPR and it has an ER stress response element in its promoter region while the encoded protein has an N-terminal ubiquitin-like domain which may interact with the ERAD system. This protein has been shown to interact with presenilin proteins and to increase the level of amyloid-beta protein following its overexpression. Alternative splicing of this gene produces multiple transcript variants encoding different isoforms. The full-length nature of all transcript variants has not been determined. [provided by RefSeq, Jan 2013]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified HERPUD1 protein (Cat# TP300693). The protein was produced from HEK293T cells transfected with HERPUD1 cDNA clone (Cat# [RC200693]) using MegaTran 2.0 (Cat# [TT210002]).