

## Product datasheet for TP300672M

### DDOST (NM\_005216) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dolichyl-diphosphooligosaccharide-protein glycosyltransferase (DDOST), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200672 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGYFRCAGAGSFGRRRKMEPSTAARAWALFWLLPLLGAVCASGPRTLVLDDNLNVRETHSLFFRSLKDR  
GFELTFKTADDPSSLIKYGEFLYDNLIIFSPSVEDFGGNINVTISAFIDGGGSVLVAASSDIGDPLRE  
LGSECGIEFDEEKTAVIDHHNYDISDLGQHTLIVADTENLLKAPTIVGKSSLNPILFRGVGMVADPDNPL  
VLDILTGSSTSYFFDPKIPITQYPHAVGKNTLLIAGLQARNNARVIFSGSLDFFSDSFFNSAVQKAAPGS  
QRYSQTGNIELAVALSRWVFKEEGVLRVGPVSHHRVGETAPPNAYTVTDLVEYSIVIQQLSNGKWVPFDG  
DDIQLEFVRIDPFVRTFLKKKGGKYSVQFKLPDVYGVFQFKVDYNRLLGYTHLYSSTQVSVRPLQHTQYER  
FIPSAYPYASAFSMMMLGLFIFISIVFLHMKEKEKSD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	46.1 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.



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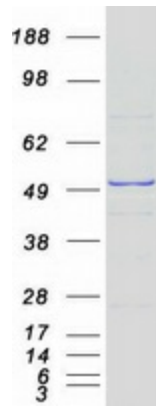
RefSeq:	<a href="#">NP_005207</a>
Locus ID:	1650
UniProt ID:	<a href="#">P39656</a> , <a href="#">A0A024RAD5</a>
RefSeq Size:	2144
Cytogenetics:	1p36.12
RefSeq ORF:	1368
Synonyms:	AGER1; CDG1R; GATD6; OKSWcl45; OST; OST48; WBP1

**Summary:** This gene encodes a component of the oligosaccharyltransferase complex which catalyzes the transfer of high-mannose oligosaccharides to asparagine residues on nascent polypeptides in the lumen of the rough endoplasmic reticulum. The protein complex co-purifies with ribosomes. The product of this gene is also implicated in the processing of advanced glycation endproducts (AGEs), which form from non-enzymatic reactions between sugars and proteins or lipids and are associated with aging and hyperglycemia. [provided by RefSeq, Jul 2008]

**Protein Families:** Transmembrane

**Protein Pathways:** Metabolic pathways, N-Glycan biosynthesis

### Product images:



Coomassie blue staining of purified DDOST protein (Cat# [TP300672]). The protein was produced from HEK293T cells transfected with DDOST cDNA clone (Cat# [RC200672]) using MegaTran 2.0 (Cat# [TT210002]).