

## Product datasheet for PH300672

### DDOST (NM\_005216) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DDOST MS Standard C13 and N15-labeled recombinant protein (NP_005207)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200672
Predicted MW:	50.7 kDa
Protein Sequence:	>RC200672 protein sequence Red=Cloning site Green=Tags(s)

MGYFRCAGAGSFGRRRKMEPSTAARAWALFWLLPLLGAVCASGPRTLVLDDNLDNVRETHSLFFRSLKDR  
GFELTFKTADDPSSLIKYGEFLYDNLIIIFSPSVEDFGGNINVTISAFIDGGGSVLVAASSDIDGPLRE  
LGSECGIEFDEEKTAVIDHHNYDISDLGQHTLIVADTENLLKAPTIVGKSSLNPILFRGVMVADPDNPL  
VLDILTGSSTSYSFFPKPITQYPHAVGKNTLLIAGLQARNNARVIFSGSLDFFSDSFFNSAVQKAAPGS  
QRYSTGNYELAVALSRRWFKEEGVLRVGPVSHHRVGETAPPNAYTVTDLVEYSIVIQQLSNGKWVPFDG  
DDIQLEFVRIDPFVRTFLKKKGGKYSVQFKLPDVGVFQFKVDYNRLGYTHLYSSTQVSVRPLQHTQYER  
FIPSAYPPYASAFSMLLGLFIFSIVFLHMKEKEKSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_005207</a>
RefSeq Size:	2144
RefSeq ORF:	1368
Synonyms:	AGER1; CDG1R; GATD6; OKSWcl45; OST; OST48; WBP1



[View online »](#)

Locus ID: 1650

UniProt ID: [P39656](#), [A0A024RAD5](#)

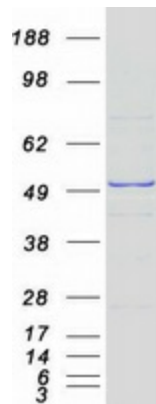
Cytogenetics: 1p36.12

**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]).