

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

Cat. No. DDOST-6049H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DDOST MS Standard C13 and N15-labeled recombinant protein (NP_005207) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	50.7 kDa
AA Sequence	MGYFRCAGAGSFGRRRKMEPSTAARAWALFWLLPLLGAVCASGPRTLVLDDNLN VRETHSLFFRSLKDRGFELTFKTADDPSSLIKYGEFLYDNLIFSPSVEDFGGNINVE TISAFIDGGGSVLVAASSDIGDPLRELGSECGIEFDEEKTAVIDHHNYDISDLGQHTLI VADTENLLKAPTIVGKSSLNPILFRGVGMVADPDNPLVLDILTGSSTSYSFFPDKPITQ YPHAVGKNTLLIAGLQARNNARVIFSGSLDFFSDSFFNSAVQKAAPGSQRYSTGNY ELAVALSRWVFKEEGVLRVGPVSHHRVGETAPPNAYTVTDLVEYSIVIQQLSNGKW

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VPFDGDDIQLEFVRIDPFVRTFLKKKGGKYSVQFKLPDVYGVFQFKVDYNRLGYTHL
YSSTQVSVRPLQHTQYERFIPSAYPPYYASAFSMMMLGLFIFSIVFLHMKEKEKSDTRTR
PLEQKLISEEDLAANDILDYKDDDDKV

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 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 DDOST dolichyl-diphosphooligosaccharide--protein glycosyltransferase [Homo sapiens (human)]

Official Symbol DDOST

Synonyms DDOST; dolichyl-diphosphooligosaccharide--protein glycosyltransferase; dolichyl diphosphooligosaccharide protein glycosyltransferase; dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit; KIAA0115; OST; OST48; WBP1; DDOST 48 kDa subunit; advanced glycation endproduct receptor 1; oligosaccharyltransferase 48 kDa subunit; oligosaccharyl transferase 48 kDa subunit; dolichyl-diphosphooligosaccharide-protein glycotransferase; dolichyl-diphosphooligosaccharide-protein glycosyltransferase; AGER1; CDG1R; OKSWcl45; MGC2191;

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Gene ID	1650
mRNA Refseq	NM_005216
Protein Refseq	NP_005207
MIM	602202
UniProt ID	P39656
SDS-PAGE	