

Recombinant Human DDOST, His-tagged

Cat. No. DDOST-11884H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDOST protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	92-433a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

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Gene Name	DDOST dolichyl-diphosphooligosaccharide--protein glycosyltransferase [Homo sapiens]
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;
Gene ID	1650
mRNA Refseq	NM_005216
Protein Refseq	NP_005207
MIM	602202
UniProt ID	P39656
Chromosome Location	1p36.1
Pathway	Advanced glycosylation endproduct receptor signaling, organism-specific biosystem; Asparagine N-linked glycosylation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Metabolic pathways, organism-specific

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biosystem; Metabolism of proteins, organism-specific biosystem;

Function

contributes_to dolichyl-diphosphooligosaccharide-protein glycotransferase activity;
contributes_to dolichyl-diphosphooligosaccharide-protein glycotransferase activity;
contributes_to oligosaccharyl transferase activity; transferase activity;

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