

Recombinant Human DDOST Protein, GST-tagged

Cat. No. DDOST-2451H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDOST full-length ORF (NP_005207.2, 1 a.a. - 456 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	77.1 kDa
AA Sequence	MGYFRCAGAGSFGRRRKMEPSTAARAWALFWLLPLLGAVCASGPRTLVLDDNLN VRETHSLFFRSLKDRGFELTFKTADDPSSLIKYGEFLYDNLIIFSPSVEDFGGNINVE TISAFIDGGGSVLVAASSDIGDPLRELGSECGIEFDEEKTAVIDHHNYDISDLGQHTLI VADTENLLKAPTIVGKSSLNPILFRGVGMVADPDNPLVLDILTGSSTSYFFPDKPITQ YPHAVGKNTLLIAGLQARNNARVIFSGSLDFFSDSFFNSAVQKAAPGSQRYSTGNY ELAVALSRWVFKEEGVLRVGPVSHHRVGETAPPNAYTVTDLVEYSIVIQQLSNGKW VPFDDGDDIQLEFVRIDPFVRTFLKKKGKYSVQFKLPDVYGVFQFKVDYNRLGYTHL

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YSSTQVSVRPLQHTQYERFIPSAYPYASAFSMMMLGLFIFSIVFLHMKEKEKSD

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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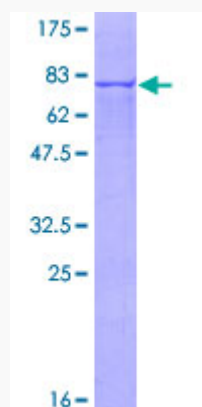
mRNA Refseq NM_005216

Protein Refseq NP_005207

MIM 602202

UniProt ID P39656

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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