

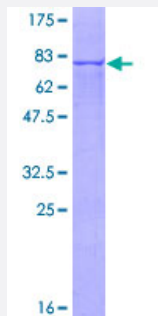
Full-Length

DDOST (Human) Recombinant Protein (P01)

Catalog # H00001650-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DDOST full-length ORF (NP_005207.2, 1 a.a. - 456 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGYFRCAGAGSFGRRRKMEPSTAARAWALFWLLPLLGAVCASGPRTLVLDDNLNVRETHSLFF
RSLKDRGFELTFKTADDPSSLIKYGEFLYDNLIFSPSVEDFGGNINVTISAFIDGGGSVLVAASS
DIGDPLRELGSECGIEFDEEKTAVIDHHNYDISDLGQHTLMADTENLLKAPTIVGKSSLNPILFRGVG
MVADPDNPLVLDILTGSSTSYFFPDKPITQYPHAVGKNTLLIAGLQARNNARVIFSGSLDFFSDSF
FNSAVQKAAPGSQRYSTGNYELAVALSRWVFKEEGVLRVGPVSHHRVGETAPPNAYTVTDLV
EYSIVIQQLSNGKWVPFDGDDIQLEFVRIDPFVRTFLKKKGKYSVQFKLPDVYGVFQFKVDYNRL
GYTHLYSSTQVSVRPLQHTQYERFIPSAYPYASAFSMMMLGLFISVFLHMKEKEKSD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

77.1

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

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

Note

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

Applications

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

Gene Info — DDOST

Entrez GeneID [1650](#)

GeneBank Accession# [NM_005216.4](#)

Protein Accession# [NP_005207.2](#)

Gene Name DDOST

Gene Alias AGE-R1, KIAA0115, MGC2191, OK/SW-cl.45, OST, OST48, WBP1

Gene Description dolichyl-diphosphooligosaccharide-protein glycosyltransferase

Omim ID [602202](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations OTTHUMP00000002882|advanced glycation endproduct receptor 1|dolichyl-diphosphooligosaccharide-protein glycosyltransferase 48 kDa subunit|dolichyl-diphosphooligosaccharide-protein glycosyltransferase|oligosaccharyltransferase 48 kDa subunit

Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)

Disease

- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)