

Recombinant Human DAD1

Cat. No. DAD1-27092TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DAD1 with N terminal proprietary tag, 38.17 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	113 amino acids
Description	DAD1, the defender against apoptotic cell death, was initially identified as a negative regulator of programmed cell death in the temperature sensitive tsBN7 cell line. The DAD1 protein disappeared in temperature-sensitive cells following a shift to the nonpermissive temperature, suggesting that loss of the DAD1 protein triggered apoptosis. DAD1 is believed to be a tightly associated subunit of oligosaccharyltransferase both in the intact membrane and in the purified enzyme, thus reflecting the essential nature of N-linked glycosylation in eukaryotes.
Molecular Weight	38.170kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

MSASVVSVISRFLEEYLSSTPQRLKLLDAYLLYILLTGAL QFGYCLLVGTFFPNSFLS
GFISCVGSFILAVCLRIQINPQ NKADFQGISPERAFADFLFASTILHLVVMNFVG

Sequence Similarities

Belongs to the DAD/OST2 family.

GENE INFORMATION

Gene Name

DAD1 defender against cell death 1 [Homo sapiens]

Official Symbol

DAD1

Synonyms

DAD1; defender against cell death 1; dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1; oligosaccharyltransferase 2 homolog (S. cerevisiae); OST2;

Gene ID

1603

mRNA Refseq

NM_001344

Protein Refseq

NP_001335

MIM

600243

Uniprot ID

P61803

Chromosome Location

14q11.2

Pathway

Asparagine N-linked glycosylation, organism-specific biosystem; Metabolic pathways,

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organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved biosystem;

Function

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

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