

# Recombinant Human DAD1

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human DAD1 with N terminal proprietary tag, 38.17 kDa.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	113 amino acids
<b>Description</b>	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.
<b>Molecular Weight</b>	38.170kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

**Sequences of amino acids** MSASVVSVISRFLLEEYLSSTPQRLKLLDAYLLYILLTGAL 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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