

Protein ASC1 (Asc-1), Recombinant Protein

Cat *RP15336*

Size *0.05 mg (Baculovirus)/ 0.2 mg (Baculovirus)/ 0.5 mg (Baculovirus)/ 1 mg (Baculovirus)*

Species

Solanum lycopersicum (Tomato) (*Lycopersicon esculentum*)

Full Product Name

Recombinant *Solanum lycopersicum* Protein ASC1 (Asc-1), partial

Product Gene Name

Asc-1 recombinant protein

Product Synonym Gene Name

Asc-1

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

36,302 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Protein

NCBI Accession

NP_001234320.1

NCBI GI

350537971

NCBI GenBank Nucleotide

NM_001247391.2

NCBI GeneID

778364

NCBI Official Full Name

protein ASC1

NCBI Official Symbol

Asc-1

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Asc; asc1; LASS2

NCBI Protein Information

protein ASC1

UniProt Gene Name

Asc-1

UniProt Protein Name

Protein ASC1

UniProt Synonym Protein Names

Alternaria stem canker resistance protein 1

UniProt Primary Accession

Q9M6A3

UniProt Secondary Accession

Q9M6A4

UniProt Related Accession

Q9M6A3

UniProt Comments

Mediates resistance to sphinganine-analog mycotoxins (SAMs) by restoring the sphingolipid biosynthesis. Could salvage the transport of GPI-anchored proteins from the endoplasmic reticulum to the Golgi apparatus in ceramides-depleted cells after SAM exposure.

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