

Subtilisin-like protease SDD1 (SDD1), Recombinant Protein

Cat *RP01789*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Subtilisin-like protease SDD1 (SDD1) , partial

Product Gene Name

SDD1 recombinant protein

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

83,776 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.

NCBI Accession

NP_563701.1

NCBI GI

18379242

NCBI GenBank Nucleotide

NM_100292.2

NCBI GeneID

839287

NCBI Official Full Name

Subtilase family protein

NCBI Official Symbol

SDD1

NCBI Official Synonym Symbols

AtSDD1; F20D22.12; F20D22_12; STOMATAL DENSITY AND DISTRIBUTION; STOMATAL DENSITY AND DISTRIBUTION 1

NCBI Protein Information

Subtilase family protein

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Subtilisin-like protease SDD1 (SDD1), Recombinant Protein

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NCBI Summary

Initially identified as a mutation affecting stomatal development and distribution. Encodes a protein similar to serine proteases.

UniProt Gene Name

SBT1.2

UniProt Synonym Gene Names

AtSBT1.2

UniProt Protein Name

Subtilisin-like protease SBT1.2

UniProt Synonym Protein Names

Cucumisin-like serine protease SDD1; Protein STOMATAL DENSITY AND DISTRIBUTION 1; Subtilase subfamily 1 member 2

UniProt Primary Accession

O64495

UniProt Related Accession

O64495

UniProt Comments

Serine protease involved in the negative regulation of stomatal density and distribution. Not active on EPFL6 (AC Q1PEY6) (PubMed:20056678). Positive regulator of water use efficiency (WUE).

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