

# CASP-like protein SDM1\_55t00014, Recombinant Protein

Cat *RP15392*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

## Species

Solanum demissum (Wild potato)

## Full Product Name

Recombinant Solanum demissum CASP-like protein SDM1\_55t00014 (SDM1\_55t00014)

## Product Gene Name

SDM1\_55t00014 recombinant protein

## Purity

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

## Sequence

MKAVSIEAGE RSKAKRVHGV NRGISVFDLV LRIVALVGT L ASAVAMGTAG QALSFSTQIV NFEAQYDDID  
AFKFFVVSNS ITCVYLALSI PISIFHIIRS RAGKSRVLLI VLDAILVFL TSGASAAAAI VYLAHNGNTS  
TNWFSICQQY TDFCQRSAGS LIGSFGAMAL MVLLIILSSI ALSRR

## Sequence Positions

1-185aa; full length protein

## Format

Liquid containing glycerol

## Host

Cell Free Expression

## Molecular Weight

19,784 Da

## Storage

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

## NCBI Accession #

Q60D27.1

## NCBI GI #

75113631

## NCBI Official Full Name

Casparian strip membrane protein 1

## UniProt Gene Name

SDM1\_55t00014

## UniProt Synonym Gene Names

SdCASP1

## UniProt Protein Name

Casparian strip membrane protein 1

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

# CASP-like protein SDM1\_55t00014, Recombinant Protein

Cat *RP15392*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

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## UniProt Entry Name

CASP1\_SOLDE

## UniProt Primary Accession #

Q60D27

## UniProt Comments

Regulates membrane-cell wall junctions and localized cell wall deposition. Required for establishment of the Casparian strip membrane domain (CSD) and the subsequent formation of Casparian strips, a cell wall modification of the root endodermis that determines an apoplastic barrier between the intraorganismal apoplasm and the extraorganismal apoplasm and prevents lateral diffusion .

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