

CASP-like protein Os04g0684300 (Os04g0684300, LOC_Os04g58760), Recombinant Protein

Cat *RP14683*

Species

Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica CASP-like protein Os04g0684300 (Os04g0684300, LOC_Os04g58760), partial

Product Gene Name

Os04g0684300 recombinant protein

Product Synonym Gene Name

Os04g0684300; LOC_Os04g58760

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

23,656 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

XP_015634469.1

NCBI GI

1002260292

NCBI GenBank Nucleotide

XM_015778983.1

NCBI GenID

4337453

NCBI Official Full Name

casparian strip membrane protein 1

NCBI Official Symbol

LOC4337453

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

CASP-like protein Os04g0684300 (Os04g0684300, LOC_Os04g58760), Recombinant Protein

Cat *RP14683*

OsCASP1; OsJ_015951

NCBI Protein Information

casparian strip membrane protein 1

UniProt Gene Name

Os04g0684300

UniProt Synonym Gene Names

OsCASP1

UniProt Protein Name

Casparian strip membrane protein 1

UniProt Primary Accession

Q7XPU9

UniProt Secondary Accession

Q0J8W4; A3AYS9

UniProt Related Accession

Q7XPU9

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 .

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY