

CASP-like protein Os08g0101900 (Os08g0101900, LOC_Os08g01160), Recombinant Protein

Cat *RP14679*

Species

Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica CASP-like protein Os08g0101900 (Os08g0101900, LOC_Os08g01160), partial

Product Gene Name

Os08g0101900 recombinant protein

Product Synonym Gene Name

Os08g0101900; LOC_Os08g01160

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

24,747 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_015649149.1

NCBI GI

1002289691

NCBI GenBank Nucleotide

XM_015793663.1

NCBI GenID

107276110

NCBI Official Full Name

casparian strip membrane protein 2

NCBI Official Symbol

LOC107276110

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

CASP-like protein Os08g0101900 (Os08g0101900, LOC_Os08g01160), Recombinant Protein

Cat *RP14679*

OsCASP2; OsJ_024703; P0015C07.4

NCBI Protein Information

casparian strip membrane protein 2

UniProt Gene Name

Os08g0101900

UniProt Synonym Gene Names

OsCASP2

UniProt Protein Name

Casparian strip membrane protein 2

UniProt Primary Accession

Q6Z1Y7

UniProt Related Accession

Q6Z1Y7

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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