

Casparian strip membrane protein Os04g0460400 (Os04g0460400, LOC_Os04g38690), Recombinant Protein

Cat *RP14684*

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Casparian strip membrane protein Os04g0460400 (Os04g0460400, LOC_Os04g38690), partial

Product Gene Name

Os04g0460400 recombinant protein

Product Synonym Gene Name

Os04g0460400; LOC_Os04g38690

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

20,099 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

Q7XUV7.2

NCBI GI

75144718

NCBI Official Full Name

Casparian strip membrane protein 5

UniProt Gene Name

Os04g0460400

UniProt Synonym Gene Names

OsCASP5

UniProt Protein Name

Casparian strip membrane protein 5

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Casparian strip membrane protein Os04g0460400 (Os04g0460400, LOC_Os04g38690), Recombinant Protein

Cat *RP14684*

UniProt Primary Accession

Q7XUV7

UniProt Secondary Accession

Q0JCN3

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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