

Casparian strip membrane protein 3 (GMCASP4), Recombinant Protein

Cat *RP18465*

Species

Glycine max (Soybean) (*Glycine hispida*)

Full Product Name

Recombinant Glycine max Casparian strip membrane protein 3, partial

Product Gene Name

GMCASP4 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

22,933 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.

Protein Family

Casparian strip membrane protein

NCBI Accession

NP_001242085.1

NCBI GI

363807132

NCBI GenBank Nucleotide

NM_001255156.1

NCBI GenelD

100775221

NCBI Official Full Name

casparian strip membrane protein 4

NCBI Official Symbol

GMCASP4

NCBI Protein Information

casparian strip membrane protein 4

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Casparian strip membrane protein 3 (GMCASP4), Recombinant Protein

Cat *RP18465*

UniProt Gene Name

GmCASP4

UniProt Synonym Gene Names

GmCASP4

UniProt Protein Name

Casparian strip membrane protein 4

UniProt Primary Accession

C6TH93

UniProt Related Accession

C6TH93

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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