

# Recombinant Full Length Glycine Max Casparian Strip Membrane Protein 1 Protein, His-Tagged

**Cat. No.** RFL22836GF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Glycine max Casparian strip membrane protein 1 Protein (C6TFL9) (1-194aa), fused to N-terminal His tag, was expressed in E. coli.                                                          |
| <b>Species</b>          | Glycine max                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Full Length (1-194)                                                                                                                                                                                                |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MSTTIDVPESSNVAKGKAVLVAPPRPGGWKKGVAIMDFILRLGAIAAALGAAATMGTS<br>SDQ TLPFFTQFLQFEASYDSFTSFQFFVITMALVGGYLVLSLPFSFVAIIRPHAAGPR<br>LFLII LDTVFLTLTTASGASAAAIVYLAHNGNQDSNWLAICNQFGDFCAQTSSAVVSS<br>FVAVVVL VLLVVLSALALGKR |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                        |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                     |

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|-----------------------|---------------------------------------------|
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
|-----------------------|---------------------------------------------|

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**GENE INFORMATION**

|                  |                                                |
|------------------|------------------------------------------------|
| <b>Gene Name</b> | Glycine max Casparian strip membrane protein 1 |
|------------------|------------------------------------------------|

|                 |                                             |
|-----------------|---------------------------------------------|
| <b>Synonyms</b> | Casparian strip membrane protein 2; GmCASP2 |
|-----------------|---------------------------------------------|

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| <b>UniProt ID</b> | <a href="#">C6TFL9</a> |
|-------------------|------------------------|

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