

# Recombinant Full Length Arabidopsis Lyrata Subsp. Lyrata Casparian Strip Membrane Protein Aralydraft\_478496 (Aralydraft\_478496) Protein, His-Tagged

**Cat. No.** RFL27738AF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Arabidopsis lyrata subsp. lyrata Casparian strip membrane protein ARALYDRAFT_478496 (ARALYDRAFT_478496) Protein (D7LAP2) (1-204aa), fused to N-terminal His tag, was expressed in E. coli.          |
| <b>Species</b>          | Arabidopsis lyrata subsp. lyrata (Lyre-leaved rock-cress)                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Full Length (1-204)                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MKNESTTIDVPAESSSAMKGKAPLIGVARDHTTSGSGGYNRGLSIFDFLLRLAAIVAA<br>LA AAATMGTSDETLPPFTQFLQFEASYDDLPTFQFFVIAMALVGGYLVLSLPISVVTIL<br>RPL ATAPRLLLLLVLDTAVLALNTAAASSAAAISYLAHSGNQNTNWLPCQQFGDFCQ<br>KSSGAV VSAFISVVFFITLVVISGVALKRH |
| <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                                                                                                                                           |

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repeated freeze-thaw cycles.

**Storage Buffer**

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

**Gene Name**

ARALYDRAFT\_478496

**Synonyms**

ARALYDRAFT\_478496; Casparian strip membrane protein 2; ALCASP2

**UniProt ID**

[D7LAP2](#)

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