

# Recombinant Full Length Arabidopsis Thaliana Bidirectional Sugar Transporter Sweet2(Sweet2) Protein, His-Tagged

**Cat. No.** RFL2294AF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Arabidopsis thaliana Bidirectional sugar transporter SWEET2(SWEET2) Protein (Q9LH79) (1-236aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                  |
| <b>Species</b>          | Arabidopsis thaliana                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Full Length (1-236)                                                                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MDVFAFNASLSMCKDVAGIAGNIFAFGLFVSPMPTFRRIMRNKSTEQFSGLPYIYALL<br>NC LICLWYGTPFISHSNAMLMTVNSVGATFQLCYIILFIMHTDKKNKMKMLGLLFVVF<br>AVVG VIVAGSLQIPDQLTRWYFVGFLSCGSLVSMFASPLFVINLVIRTKSVEFMPFYL<br>SLSTFL MSASFLLYGLFNDAFVYTPNGIGITILGIVQLALYCYHHRNSIEEETKEPLIVS<br>YV |
| <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**

SWEET2

**Synonyms**

SWEET2; At3g14770; T21E2.2; Bidirectional sugar transporter SWEET2; AtSWEET2; Protein SUGARS WILL EVENTUALLY BE EXPORTED TRANSPORTERS 2

**UniProt ID**

[Q9LH79](#)

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