

Recombinant Full Length Arabidopsis Thaliana Bidirectional Sugar Transporter Sweet10(Sweet10) Protein, His-Tagged

Cat. No. RFL7759AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Bidirectional sugar transporter SWEET10(SWEET10) Protein (Q9LUE3) (1-289aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length (1-289)
Form	Lyophilized powder
AA Sequence	MAISQAVLATVFGILGNIISFFVCLAPIPTFVRIYKRKSSEGYQSIPYVISLFSAMLWMY YAMIKKDAMMLITINSFAFVVQIVYISLFFFYAPKKEKTLTVKFVLFVDVLGFGAIFVLT YFIIHANKRVQVLGYICMVFALSVFVAPLGIIRKVIKTKSAEFMPFGLSFFLTLSAVMWF FYGLLLKDMNIALPNVLGFIFGVLQMILFLIYKKPGTKVLEPPGIKLQDISEHVVDVVRL STMVCNSQMRTLVPQDSADMEATIDIDEKIKGDIEKNKDEKEVFLISK
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	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

SWEET10

Synonyms

SWEET10; At5g50790; MFB16.19; Bidirectional sugar transporter SWEET10; AtSWEET10; Protein SUGARS WILL EVENTUALLY BE EXPORTED TRANSPORTERS 10

UniProt ID

[Q9LUE3](#)

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