

Recombinant Full Length Arabidopsis Thaliana Bidirectional Sugar Transporter Sweet5(Sweet5) Protein, His-Tagged

Cat. No. RFL28334AF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Arabidopsis thaliana Bidirectional sugar transporter SWEET5(SWEET5) Protein (Q9FM10) (1-240aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Full Length (1-240)
Form	Lyophilized powder
AA Sequence	MTDPHTARTIVGIVGNVISFGLFCAPIPTMVKIWKMKSVSEFKPDYPVATVLNMMWTFY GLPFVQPDSLLVITINGTGLFMELVYVTIFFVFATSPVRRKITIAMVIEVIFMAVVIFCT MYFLHTTKQRSMLIGILCIVFNVIMYAAPLTVMKLVIKTKSVKYPFFLSLANFMNGVWW VIYACKLKFDPYILIPNGLGSLSGIIQLIYITYYKTTNWNDDEDKEKRYSNAGIELGQA
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

SWEET5

Synonyms

SWEET5; VEX1; At5g62850; MQB2.17; Bidirectional sugar transporter SWEET5; AtSWEET5; Protein SUGARS WILL EVENTUALLY BE EXPORTED TRANSPORTERS 5; Protein VEGETATIVE CELL EXPRESSED 1; AtVEX1

UniProt ID

[Q9FM10](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA