

Bidirectional sugar transporter SWEET17 (SWEET17), Recombinant Protein

Cat *RP08674*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Bidirectional sugar transporter SWEET17 (SWEET17)

Product Gene Name

SWEET17 recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MAEASFYIGV IGNVISVLVF LSPVETFWKI VKRRSTEEYK SLPYICTLLG SSLWTYYGIV TPGEYLVSTV
NGFGALVETI YVSLFLFYAP RHLKLKTVDV DAMLNVFFPI AAIVATRSF EDEKMRSQSI GFISAGLNII
MYGSPLSAMK TVVTTKSVKY MPFWLSFFLF LNGAIWAVYA LLQHDVFLLV PNGVGFVFGT MQLILYGIYR
NAKPVGLSNG LSEIAQDEEE GLTSRVEPLL S

Sequence Positions

1-241aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

26,799 Da

Storage

Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Protein Family

Bidirectional sugar transporter

NCBI Accession

NP_193327.5

NCBI GI

240255890

NCBI GenBank Nucleotide

NM_117684.5

NCBI GeneID

827274

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat *RP08674*

Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

NCBI Official Full Name

bidirectional sugar transporter SWEET17

NCBI Official Symbol

AT4G15920

NCBI Official Synonym Symbols

DL4000C; FCAALL.237

NCBI Protein Information

bidirectional sugar transporter SWEET17

UniProt Gene Name

SWEET17

UniProt Synonym Gene Names

AtSWEET17

UniProt Protein Name

Bidirectional sugar transporter SWEET17

UniProt Synonym Protein Names

Protein SUGARS WILL EVENTUALLY BE EXPORTED TRANSPORTERS 17

UniProt Entry Name

SWT17_ARATH

UniProt Primary Accession

Q84WN3

UniProt Secondary Accession

O23441; F4JKX8

UniProt Comments

Acts as a vacuolar hexose transporter (PubMed:25988582). Regulates fructose (Fru) homeostasis in leaves and roots by exporting/importing Fru through the tonoplast regarding metabolic demand (PubMed:23583552, PubMed:24381066).

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