

# **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 AAVATRSAF 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 GenID**

827274

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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## **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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