

Bidirectional sugar transporter SWEET2b (SWEET2B), Recombinant Protein

Cat *RP13656*

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

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Bidirectional sugar transporter SWEET2b (SWEET2B)

Product Gene Name

SWEET2B recombinant protein

Purity

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

Sequence

MDSLYDISCF AAGLAGNIFA LALFLSPVTT FKRILKAKST ERFDGLPYLF SLLNCLICLW YGLPWVADGR
LLVATVNGIG AVFQLAYICL FIFYADSRKT RMKIIGLLVL VVCGFALVSH ASVFFFDQPL RQQFVGAVSM
ASLISMFASP LAVMGVVIRS ESVEFMPPYL SLSTFLMSAS FALYGLLLRD FFIYFPNGLG LILGAMQLAL
YAYYSRKWRG QDSSAPLLLA

Sequence Positions

1-230aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

25,477 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

XP_015619426.1

NCBI GI

1002233028

NCBI GenBank Nucleotide

XM_015763940.1

NCBI GeneID

4326923

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat *RP13656*

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

NCBI Official Full Name

bidirectional sugar transporter SWEET2b

NCBI Official Symbol

LOC4326923

NCBI Official Synonym Symbols

SWEET2B; MtN3-like; OsJ_03146; OsSWEET2b; P0047E11.3

NCBI Protein Information

bidirectional sugar transporter SWEET2b; LOC_Os01g50460; Os01g0700100; P0454A11.22

UniProt Gene Name

SWEET2B

UniProt Synonym Gene Names

OsSWEET2b

UniProt Protein Name

Bidirectional sugar transporter SWEET2b

UniProt Entry Name

SWT2B_ORYSJ

UniProt Primary Accession

Q5N8J1

UniProt Secondary Accession

A0A0P0V724

UniProt Related Accession

Q5N8J1

UniProt Comments

Mediates both low-affinity uptake and efflux of sugar across the plasma membrane.

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