

# Bidirectional sugar transporter SWEET3b (SWEET3B), Recombinant Protein

Cat *RP13737*

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 SWEET3b (SWEET3B)

## Product Gene Name

SWEET3B recombinant protein

## Purity

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

## Sequence

MVSNITIRVAV GILGNAASML LYAAPILTFR RVIKKGSVEE FSCVPYILAL FNCLLYTWYG LPVVSSGWEN  
STVSSINGLG ILLEIAFISI YTWFAPRERK KFVLRMVL PV LAFFALTAIF SSFLFHTHGL RKVFGSIGL  
VASISMYSSP MVAAKQVITT KSVEFMPFYL SLFSFLSSAL WMIYGLLGKD LFIASPNFIG CPMGILQLVL  
YCIYRKSHKE AEKLDIDQE NGLKVTTHE KITGREPEAQ RD

## Sequence Positions

1-252aa; full length protein

## Format

Liquid containing glycerol

## Host

Cell Free Expression

## Molecular Weight

28,173 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\_015642315.1

## NCBI GI #

1002229181

## NCBI GenBank Nucleotide #

XM\_015786829.1

## NCBI GeneID

4324648

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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## NCBI Official Full Name

bidirectional sugar transporter SWEET3b

## NCBI Official Symbol

LOC4324648

## NCBI Official Synonym Symbols

SWEET3B; OsJ\_00913; OsSWEET3b

## NCBI Protein Information

bidirectional sugar transporter SWEET3b; LOC\_Os01g12130; Os01g0220700; P0483F08.29; hypothetical protein

## UniProt Gene Name

SWEET3B

## UniProt Synonym Gene Names

OsSWEET3b

## UniProt Protein Name

Bidirectional sugar transporter SWEET3b

## UniProt Entry Name

SWT3B\_ORYSJ

## UniProt Primary Accession #

Q5NAZ9

## UniProt Secondary Accession #

Q0JPI6; B9EU48

## UniProt Related Accession #

Q5NAZ9

## UniProt Comments

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

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