

Bidirectional sugar transporter SWEET7b (SWEET7B), Recombinant Protein

Cat *RP10846*

Species

Oryza sativa subsp. *indica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *indica* Bidirectional sugar transporter SWEET7b (SWEET7B)

Product Synonym Names

Recombinant Bidirectional sugar transporter SWEET7b (SWEET7B); Bidirectional sugar transporter SWEET7b; OsSWEET7b

Product Gene Name

SWEET7B recombinant protein

Product Synonym Gene Name

SWEET7B; OsI_30589

Purity

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

Sequence

MVSPDLIRNM VGIVGNIISF GLFLSPVPTF YRIIKNKDVQ DFKADPYLAT LLNCMLWVFY GLPIVHPNSI
LVVTINGIGL IIEAVYLTIF FLFSKKKNKK KMGVVLATEA LFMAAVVLGV LLGAHTHQRR SLIVGILCAI
FGTIMYSSPL TIMSQVVKTK SVEYMPLLLS VVSFLNGLCW TSYALIRLDI FITIPNGLGV LFALMQLILY
AIYYRTTPKK QDKNLELPTV APVAKDTSIV TPVSKDDDVV DGGNASHVTI NITIEP

Sequence Positions

1-266

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

29,313 Da

Storage

Store at -20°C. For extended storage, store at -20 or -80°C.

Protein Family

Bidirectional sugar transporter

UniProt Gene Name

SWEET7B

UniProt Synonym Gene Names

OsSWEET7b

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Bidirectional sugar transporter SWEET7b (SWEET7B), Recombinant Protein

Cat *RP10846*

UniProt Protein Name

Bidirectional sugar transporter SWEET7b

UniProt Entry Name

SWT7B_ORYSI

UniProt Primary Accession

A2YZ24

UniProt Comments

Function: Mediates both low-affinity uptake and efflux of sugar across the plasma membrane By similarity. Subcellular location: Cell membrane; Multi-pass membrane protein By similarity. Sequence similarities: Belongs to the SWEET sugar transporter family. Contains 2 MtN3/slv domains.

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