

Bidirectional sugar transporter SWEET4 (SWEET4), Recombinant Protein

Cat *RP10850*

Species

Oryza sativa subsp. *indica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *indica* Bidirectional sugar transporter SWEET4 (SWEET4)

Product Synonym Names

Recombinant Bidirectional sugar transporter SWEET4 (SWEET4); Bidirectional sugar transporter SWEET4; OsSWEET4

Product Gene Name

SWEET4 recombinant protein

Product Synonym Gene Name

SWEET4; OsI_06860

Purity

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

Sequence

MVSPDTIRTA IGVVNGTAL VLFLSPVPTF IRIWKKGSVE QYSAVPYVAT LLNCMMWVLY GLPAVHPHSM
LVITINGTGM AIELTYIALF LAFSLGAVRR RVLLLLAAEV AFVAAVAALV LNLAHTHERR SMIVGILCVL
FGTGMYAAPL SVMKMVIQTK SVEYMPFLFS LASLVNGICW TAYALIRFDL YITIPNGLGV MFAVAQLILY
AIYYKSTQQI IEARKRKEAD HVAMTDVVVD SAKNNPSSGA AAAAAANGRY

Sequence Positions

1-259

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

28,046 Da

Storage

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

Protein Family

Bidirectional sugar transporter

UniProt Gene Name

SWEET4

UniProt Synonym Gene Names

OsSWEET4

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Bidirectional sugar transporter SWEET4 (SWEET4), Recombinant Protein

Cat *RP10850*

UniProt Protein Name

Bidirectional sugar transporter SWEET4

UniProt Entry Name

SWET4_ORYSI

UniProt Primary Accession

A2X3S3

UniProt Secondary Accession

A6N106

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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