

Bidirectional sugar transporter SWEET12 (SWEET12), Recombinant Protein

Cat *RP10874*

Species

Oryza sativa subsp. *indica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *indica* Bidirectional sugar transporter SWEET12 (SWEET12)

Product Synonym Names

Recombinant Bidirectional sugar transporter SWEET12 (SWEET12); Bidirectional sugar transporter SWEET12; OsSWEET12

Product Gene Name

SWEET12 recombinant protein

Product Synonym Gene Name

SWEET12; OsI_11551

Purity

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

Sequence

MVQALVFAVG IVGNILSFLV ILAPVPTFYR VYKKKSTESF QSVPYAVALL SAMLWLYYAL LTSDLLLLSI
NSIGCLVESL YLTVYLLYAP RQAMAFTLKL VCAMNLALFA AVVAALQLLV KATDRRVTLA GGIGASFALA
VFVAPLTIIR QVIRTKSVEF MPFWLSFFLT LSAVVWFFYG LLMKDFFVAT PNVLGLLFGL AQMVLYVVYK
DPKKN SAVSE AAAAQQVEVK DQQQLQMLQ ASPAVAPLDV DADADADLEA AAPATPQRPA DDDAIDHRSV
VVDIPPPQP PPALPAVEVA

Sequence Positions

1-300

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

32,513 Da

Storage

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

Protein Family

Bidirectional sugar transporter

UniProt Gene Name

SWEET12

UniProt Synonym Gene Names

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Bidirectional sugar transporter SWEET12 (SWEET12), Recombinant Protein

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OsSWEET12

UniProt Protein Name

Bidirectional sugar transporter SWEET12

UniProt Entry Name

SWT12_ORYSI

UniProt Primary Accession

A2XGM7

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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