

Recombinant Human SLC18A2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC18A2-3812H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC18A2 MS Standard C13 and N15-labeled recombinant protein (NP_003045) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an transmembrane protein that functions as an ATP-dependent transporter of monoamines, such as dopamine, norepinephrine, serotonin, and histamine. This protein transports amine neurotransmitters into synaptic vesicles. Polymorphisms in this gene may be associated with schizophrenia, bipolar disorder, and other neurological/psychiatric ailments.
Molecular Mass	55.5 kDa
AA Sequence	MALSELALVRWLQESRRSRKLILFIVFLALLLDNMLLTVVVPIIPSYLYSIKHEKNATEIQ TARPVHTASISDSFQSIFSYYDNSTMVTGNATRDLT LHQTATQHMTNASEVPSDCP SEDKDLLNENVQVGLLFASKATVQLITNPFIGLLTNRIGYPIPIFAGFCIMFVSTIMFAFS SSYAFLLIARSLQGIGSSCSSVAGMGMLASVYTDDEERGNGVMGIALGGLAMGVLVG PPFGSVLYEFVGKTAPFLVLAALVLLDGAIQFLVLPQSRVQPESQKGTPLTTLKDPYI LIAAGSICFANMGIAMLEPALPIWMMETMCSRKWQLGVAFLPASISYLIGTNIFGILAH KMGRWLCALLGMIIVGVSVILCIPFAKNIYGLIAPNFGVGFAIGMVDSSMMPIMGYLVDL RHVSVYGSVYAIADVAFCMGYAIGPSAGGAIKAIGFPWLMTIIGIIDILFAPLCFFLRS

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PPAKEEKMAILMDHNCPIKTKMYTQNNIQSYPIGEDEESESDSGPTRTRRLEQKLISE
EDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SLC18A2 solute carrier family 18 member A2 [Homo sapiens (human)]

Official Symbol SLC18A2

Synonyms SLC18A2; solute carrier family 18 (vesicular monoamine), member 2; VMAT2; synaptic vesicular amine transporter; SVAT; SVMT; monoamine transporter; vesicular amine transporter 2; vesicle monoamine/H⁺ antiporter; solute carrier family 18 member 2; vesicle monoamine transporter type 2; monoamine neurotransmitter transporter; VAT2; MGC26538; MGC120477; MGC120478;

Gene ID 6571

mRNA Refseq NM_003054

Protein Refseq NP_003045

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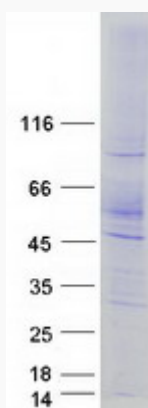
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MIM 193001

UniProt ID Q05940

SDS-PAGE



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