

Recombinant Full Length Human SLC18A2 Protein, C-Flag-tagged

Cat. No. SLC18A2-1559HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SLC18A2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55.5 kDa
AA Sequence	MALSELALVRWLQESRRSRKLILFIVFLALLLDNMLLTVVVPIIPSYLYSIKHEKNATEIQ TARPVHTAS ISDSFQSIFSYYDNSTMVTGNATRDLT LHQTATQHMTNASEVPSDC PSEDKDLLNENVQVGLLFASKAT VQLITNPFIGLLTNRIGYPIPIFAGFCIMFVSTIMFA FSSSYAFLLIARSLQGIGSSCSSVAGMGMLASV YTDDEERGNVMGIALGGLAMGVL VGPPFGSVLYEFVGKTAPFLVLAALVLLDGAIQFLVLQPSRVQPESQ KGTPLTTLTK DPYILIAAGSICFANMGIAMLEPALPIWMMETMCSRKWQLGVAFLPASISYLGITNIFGI LAHKMGRWLCALLGMIIVGVSILCIPFAKNIYGLIAPNFGVGFAIGMVDSSMMPIMGYL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VDLRHVSVYGS VYAIADVAFCMGYAIGPSAGGAIKAIGFPWLMTIIGIIDILFAPLCFF
 LRSPPAKEEKMALMDHNCPI
 KTKMYTQNNIQSYPIGEDEESES DSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transmembrane
Protein Pathways	Parkinson's disease
Full Length	Full L.

GENE INFORMATION

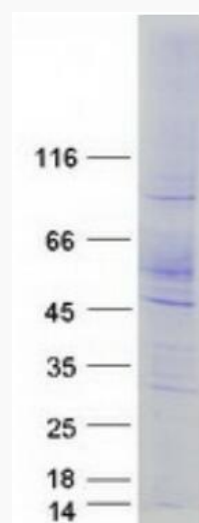
Gene Name	SLC18A2 solute carrier family 18 member A2 [Homo sapiens (human)]
Official Symbol	SLC18A2
Synonyms	SVAT; SVMT; VAT2; VMAT2; PKDYS2
Gene ID	6571

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mRNA Refseq	NM_003054.6
Protein Refseq	NP_003045.2
MIM	193001
UniProt ID	Q05940



Coomassie blue staining of purified SLC18A2 protein.