

Recombinant Human SLC18A2 Protein, Flag-tagged

Cat. No. SLC18A2-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC18A2 Protein is produced by HEK293 expression system. This protein is fused with a Flag tag.
Species	Human
Source	HEK293
Description	Involved in the ATP-dependent vesicular transport of biogenic amine neurotransmitters. Pumps cytosolic monoamines including dopamine, norepinephrine, serotonin, and histamine into synaptic vesicles. Requisite for vesicular amine storage prior to secretion via exocytosis.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55.5 kDa
AA Sequence	MALSELALVRWLQESRRSRKLILFIVFLALLLDNMLLTVVVPIIPSYLYSIKHEKNATEIQ TARPVHTASISDSFQSIFSYYDNSTMVTGNATRDLTTLHQTATQHMTNASEAVPSDCP SEDKDLLNENVQVGLLFASKATVQLITNPFIGLLTNRIGYPIPIFAGFCIMFVSTIMFAFS SSYAFLLIARSLQGIGSSCSSVAGMGMLASVYTDDEERGNGVMGIALGGLAMGVLVG PPFGSVLYEFVGKTAPFLVLAALVLLDGAIQFLVLPQRSRVQPESQKGTPLTTLLKDPYI LIAAGSICFANMGIAMLEPALPIWMMETMCSRKWQLGVAFLPASISYLGITNIFGILAH KMGRWLCALLGMIIVGVLSILCIPFAKNYGLIAPNFGVGFAIGMVDSSMMPIMGYLVDL RHVSVYGSVYAIADVAFCMGYAIGPSAGGAIKAIGFPWLMTIIGIIDILFAPLCFFLRS PPAKEEKMAILMDHNCPIKTKMYTQNNIQSYPIGEDEESES DSGPTRTRRLEQKLISE

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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 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	SLC18A2 solute carrier family 18 (vesicular monoamine), member 2 [Homo sapiens]
Official Symbol	SLC18A2
Synonyms	SLC18A2; solute carrier family 18 (vesicular monoamine), member 2; VMAT2; SVAT; SVMT; VAT2; MGC26538; MGC120477; MGC120478;
Gene ID	6571
mRNA Refseq	NM_003054
Protein Refseq	NP_003045
MIM	193001
UniProt ID	Q05940

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