

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	<p>MALSELALVRWLQESRRSRKLILFIVFLALLLDNMLLTVVVPPIPSYLYSIKHEKNATEIQ TARPVHTASISDSFQSIFSYYDNSTMVTGNATRDLLHQTATQHMVTNASAVPSDCP SEDKDLLNENVQVGLLFASKATVQLITNPFIGLLTNRIGYPIPIFAGFCIMFVSTIMFAFS SSYAFLLIARSLQGIGSSCSSVAGMGMLASVYTDDEERGNVMGIALGGLAMGVLVG PPFGSVLYEFVGKTAPFLVLAALVLLDGAIQLFVLQPSRVQPESQKGTPLTTLLKDPYI LIAAGSICFANMGIAMLEPALPIWMMETMCSRKWQLGVAFLPASISYLGITNIFGILAH KMGRWLCALLGMIIVGVVSILCIPFAKNIYGLIAPNFGVGFAGMVDSSMMPIMGYLVDL RHVSVYGSVYAIADVAFCMGYAIGPSAGGAIKAIGFPWLMTIIGIIDILFAPLCFFLRS PPAKEEKMAILMDHNCPIKTKMYTQNNIQSYPIGEDEESESDSGPTRRTRRLEQKLISE</p>

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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 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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