

Recombinant Human SLC1A6 Protein (S2-M564), 8xHis-MBP, Flag tagged

Cat. No. SLC1A6-1214H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-MBP-TEV-(GG)-SLC1A6(S2-M564)-Flag Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	S2-M564
Description	Sodium-dependent, high-affinity amino acid transporter that mediates the uptake of L-glutamate and also L-aspartate and D-aspartate. Functions as a symporter that transports one amino acid molecule together with two or three Na ⁽⁺⁾ ions and one proton, in parallel with the counter-transport of one K ⁽⁺⁾ ion. Mediates Cl ⁽⁻⁾ flux that is not coupled to amino acid transport; this avoids the accumulation of negative charges due to aspartate and Na ⁽⁺⁾ symport. Plays a redundant role in the rapid removal of released glutamate from the synaptic cleft, which is essential for terminating the postsynaptic action of glutamate (Probable).
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	85%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Formulation:
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	SLC1A6 solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6 [Homo sapiens (human)]
Official Symbol	SLC1A6
Synonyms	SLC1A6; solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6; excitatory amino acid transporter 4; EAAT4; solute carrier family 1 member 6; sodium-dependent glutamate/aspartate transporter; MGC33092; MGC43671;
Gene ID	6511
mRNA Refseq	NM_005071
Protein Refseq	NP_005062
MIM	600637
UniProt ID	P48664

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