Recombinant Human SLC1A3 Protein (T2-M542), 8×His-MBP, Flag tagged

Cat. No. SLC1A3-1215H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-MBP-TEV-(GG)-SLC1A3(T2-M542)-Flag Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	T2-M542
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.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	80%

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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	SLC1A3 solute carrier family 1 (glial high affinity glutamate transporter), member 3 [Homo sapiens (human)]
Official Symbol	SLC1A3
Synonyms	SLC1A3; solute carrier family 1 (glial high affinity glutamate transporter), member 3; excitatory amino acid transporter 1; EA6; EAAT1; GLAST; glutamate transporter variant EAAT1ex9skip; GLAST-1; solute carrier family 1 member 3; sodium-dependent glutamate/aspartate transporter 1; GLAST1; FLJ25094;
Gene ID	6507
mRNA Refseq	NM_001166695
Protein Refseq	NP_001160167
MIM	600111
UniProt ID	P43003

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