

Recombinant Human SLC38A1 Protein (M2-H487), 8×His-MBP, Flag tagged

Cat. No. SLC38A1-0488H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-MBP-TEV-(GG)-SLC38A1(M2-H487)-Flag Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	M2-H487
Description	Functions as a sodium-dependent amino acid transporter. Mediates the saturable, pH-sensitive and electrogenic cotransport of glutamine and sodium ions with a stoichiometry of 1:1. May also transport small zwitterionic and aliphatic amino acids with a lower affinity. May supply glutamatergic and GABAergic neurons with glutamine which is required for the synthesis of the neurotransmitters glutamate and GABA.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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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	SLC38A1 solute carrier family 38, member 1 [Homo sapiens (human)]
Official Symbol	SLC38A1
Synonyms	SLC38A1; solute carrier family 38, member 1; sodium-coupled neutral amino acid transporter 1; ATA1; NAT2; SAT1; amino acid transporter A1; amino acid transporter system A1; N-system amino acid transporter 2; system A amino acid transporter 1; system N amino acid transporter 1; SNAT1;
Gene ID	81539
mRNA Refseq	NM_001077484
Protein Refseq	NP_001070952
MIM	608490
UniProt ID	Q9H2H9

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