SLC6A15 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	SLC6A15, Lysate
Full Product Name	Human SLC6A15 Protein Lysate
Product Gene Name	SLC6A15 lysate
Product Synonym Names	SLC6A15; hv7-3; NTT73; SBAT1; V7-3
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	82kDa
OMIM	607971
3D Structure	ModBase 3D Structure for Q9H2J7
Related Product Information for SLC6A15 lysate	Human SLC6A15 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of SLC6A15 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SLC6A15 purchase	MBS8419745 is a lysate targeting SLC6A15. Also known as Human SLC6A15 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC6A15. It may not necessarily be applicable to this product.

NCBI GI #	33354281
NCBI GeneID	55117
NCBI Accession #	NP_877499
UniProt Primary Accession #	Q9H2J7
UniProt Related Accession #	Q9H2J7
GenBank Nucleotide #	NM_182767
NCBI Official Full Name	sodium-dependent neutral amino acid transporter B(0)AT2 isoform 1
NCBI Official Synonym Full Names	solute carrier family 6 member 15
NCBI Official Symbol	SLC6A15
NCBI Official Synonym Symbols	V7-3; NTT73; SBAT1; hv7-3
UniProt Protein Name	Sodium-dependent neutral amino acid transporter B(0)AT2
UniProt Synonym Protein Names	Sodium- and chloride-dependent neurotransmitter transporter NTT73; Sodium-coupled branched-chain amino-acid transporter 1; Solute carrier family 6 member 15; Transporter v7-3

UniProt Gene Name	SLC6A15
UniProt Synonym Gene Names	B0AT2; NTT73; SBAT1
UniProt Entry Name	S6A15_HUMAN
NCBI Protein Information	sodium-dependent neutral amino acid transporter B(0)AT2
NCBI Summary for SLC6A15	This gene encodes a member of the solute carrier family 6 protein family which transports neutral amino acids. The encoded protein is thought to play a role in neuronal amino acid transport (PMID: 16185194) and may be associated with major depression (PMID: 21521612). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]
UniProt Comments for SLC6A15	SLC6A15: Functions as a sodium-dependent neutral amino acid transporter. Exhibits preference for the branched-chain amino acids, particularly leucine, valine and isoleucine and methionine. Mediates the saturable, pH-sensitive and electrogenic cotransport of proline and sodium ions with a stoichiometry of 1:1. May have a role as transporter for neurotransmitter precursors into neurons. In contrast to other members of the neurotransmitter transporter family, does not appear to be chloride-dependent. Belongs to the sodium:neurotransmitter symporter (SNF) (TC 2.A.22) family. SLC6A15 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Transporter, SLC family; Membrane protein, integral; Transporter Chromosomal Location of Human Ortholog: 12q21.3 Cellular Component: integral to plasma membrane; integral to membrane; plasma membrane Molecular Function: proline:sodium symporter activity; neurotransmitter:sodium symporter activity; neurotransmitter transporter activity Biological Process: leucine transport; neutral amino acid transport; neurotransmitter transport; amino acid transport; sodium ion transport; ion transport; proline transport; transmembrane transport
Research Articles on SLC6A15	**1.** We observed an association between the SLC6A15 rs1545843 and resting-state brain function of the corpus callosum, cingulum and the frontal, parietal, and temporal lobes in MDD patients, which may be involved in the pathogenesis of Major Depressive Disorder. There was no interaction between rs1545843 genotypes and disease status.
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