

Product datasheet for **SC113745**

SLC6A15 (NM_018057) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC6A15 (NM_018057) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC6A15
Synonyms:	hv7-3; NTT73; SBAT1; V7-3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018057, the custom clone sequence may differ by one or more nucleotides

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ATGCCAAAAATAGCAAGGTGGTAAAAAGAGAATTAGATGATGATGTTACTGAGTCTGTCAAAGACCTTC
TTTCCAATGAAGACGCAGCTGATGATGCTTTTAAGACAAGTGAACATAATTGTTGATGGCCAGGAAGAGAA
AGATACAGATGTTGAAGAAGGATCTGAAGTCGAAGATGAAAGACCAGCTTGAACAGTAAACTACAATAC
ATCCTGGCCCAAGTTGGATTTTCTGTAGGTTTAGGAAATGTGTGGCGATTCCATACCTATGTCAGAAGA
ATGGGGGGCGTGCATATCTTTACCATATTTAATACTACTTATGGTAATAGGTATCCCTTTTTTTCTT
GGAAGTCTCTGTGGTCAAAGAATTCGGCGAGGCAGCATTGGTGTATGGAATTACATAAGCCCTAAACTG
GGCGGGATTGGATTTGCAAGTTGTGTAGTGTGCTATTTTGTAGCTCTCTACTACAACGTCATCATTGGCT
GGAGTTTGTATTTTCTCAGTCTTTTCAGCAACCCCTGCCTTGGGATCAGTGTCTTTGGTGAAAAA
TGCTTCACACACTTTTGTAGAACCAGAATGTGAACAAAGTTCTGCCACCACCTATTACTGGTACAGGGAA
GCACTGAATATTTCAAGTTCCATTTCTGAAAGTGGGGGCTTAAACTGGAAGATGACCATCTGCTTGTGG
CTGCCTGGGTCATGGTTTGTGGCTATGATCAAAGGCATTGAGTCTTCTGGAAAAGTTAGTATGTTAGA
GCCCTTCTCATTCTGCTAATCACCATTCTGGATTCATCCCTCTCTCAAATTCTGTTACAGATTCTGT
GGCAAATCACACATAACACTTCATTCTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018057 unedited NGGTTTCAGGATTTGTATCCGATTCCTATAGGCGGCCCGCAATTCGCACGAGGCCTCGTG CCGAATTCGGCACCGAGGGATCAAAGGCATTCAGTCTTTCTGGAAAAATCATATATTTTA GTTCTCTGTTCCATATGTGGTACTTATTTGCTTCCTCATCAGAGCATTCTTTTAAATG GTTCAATTGATGGCATTCCGCACATGTTTACCCCTAAGCTTGAATAATGCTGGAGCCCA AGGTCTGGAGAGAAGCTGCTACTCAAGTGTCTTTGCCTTAGGTCTGGGATTTGGTGGT TCATTGCCTTTTCAAGCTACAACAAGAGAGACAACAACCTGCCACTTTGATGCTGTCCTGG TGTCTTCATCAATTTTTTCACTTCTGTCTGGCAACATTGGTGGTGTTCAGTTCTGG GCTTCAAAGCAAATGTCATAAATGAGAAATGCATTACACAAAATTCAGAGACGATCATGA AATTTTTGAAAAATGGGAACATTAGTCAGGATATTATTCCCATCATATCAACCTTTCAA CTGTTACTGCAGAAGATTATCATTTAGTTTATGACATCATTCAAAAAGTAAAAGAAGAAG AGTTTCTGCTTTCATCTCAATTCCTGTAAAATTGAAGAAGAGCTAAATAAAGCTGTTC AGGGGACCGGCTTAGCTTTTATTGCCTTACAGAAGCGATGACACATTTTCTGCATCTC CCTTCTGGTCAGTGATGTTTTTCTCATGCTGGTCAATCTANGCCTTGGCAGTATGTTTT GAACCATTGAAAGGATTGTCACGCCTATTGTGGACTTTCAAAGTGAGGAAAGAATCC TACTGGTATCTGTTCCTTCTGGCATTGTATTGGCCTGATATTGNGCAACGCTCTGGA AATAC
Restriction Sites:	NotI-NotI
ACCN:	NM_018057
Insert Size:	2550 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_018057.1</u> , <u>NP_060527.1</u>
RefSeq Size:	4276 bp
RefSeq ORF:	750 bp
Locus ID:	55117
UniProt ID:	<u>Q9H2J7</u>
Cytogenetics:	12q21.31
Domains:	SNF
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

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]

Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.