

Product datasheet for **SC327612**

SLC6A15 (NM_001146335) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC6A15 (NM_001146335) 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)



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Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001146335, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGTAATAGGTATTCCTTTTTCTTGGAACTCTCTGTGGGTCAAAGAATTCGGCGA GGCAGCATTGGTGTATGGAATTACATAAGCCCTAAACTGGGCGGGATTGGATTTGCAAGT TGTGTAGTGTGCTATTTGTAGCTCTCTACTACAACGTCATCATTGGCTGGAGTTGTTT TATTTTTCTCAGTCTTTTCAGCAACCCCTGCCTTGGGATCAGTGTCTTTGGTGAAAAAT GCTTCACACACTTTTGTAGAACCAGAATGTGAACAAAGTTCTGCCACCACCTATTACTGG TACAGGGAAGCACTGAATATTTCAAGTTCCATTTCTGAAAGTGGGGCTTAAACTGGAAG ATGACCATCTGCTTGTGGCTGCCTGGGTGATGTTTGGCTATGATCAAAGGCATT CAGTCTTCTGGAAAAATCATATATTTTAGTTCTCTGTTCCATATGTGGTACTTATTTGTC TTCCTCATCAGAGCATTCTTTTAAATGGTTCAATTGATGGCATTGCCACATGTTTACC CCTAAGCTTGAATAATGCTGGAGCCCAAGGTCTGGAGAGAAGCTGCTACTCAAGTGTC TTTGCCTTAGGTCTGGGATTTGGTGGTGCATTGCCTTTCAAGCTACAACAAGAGAGAC AACAACTGCCACTTTGATGCTGCCTGGTGCCTTCATCAATTTTTTCACTTCTGTCTCTG GCAACATTGGTGGTGTTCAGTCTGGGCTTCAAAGCAAATGTCATAAATGAGAAATGC ATTACACAAAATTCAGAGACGATCATGAAATTTTTGAAAATGGGGAACATTAGTCAGGAT ATTATTTCCCATCATATCAACCTTTCAACTGTTACTGCAGAAGATTATCATTTAGTTTAT GACATCATTCAAAAAGTGAAGAAGAAGAGTTTCTGCTCTTCAATTCCTGTAATAA ATTGAAGAAGAGCTAAATAAAGCTGTTCAAGGGACCGGCTTAGCTTTTATTGCCTTACA GAAGCGATGACACATTTTCTGCATCTCCCTTCTGGTCACTGATGTTTTTCTCATGCTG GTCAATCTAGGCCTTGGCAGTATGTTTGGAAACCATTGAAGGGATTGTCACGCCTATTGTG GACACTTCAAAGTGAGGAAAGAAATTTACTGTTATCTGTTGTCTTCTGGCATTGTTGT ATTGGCCTGATATTTGTGCAACGCTCTGGAAATTAATTTGTTACAATGTTTGTGATTAT TCTGCTACACTGCCTCTGCTAATTGTAGTCATTTTGGAGAATATTGCTGTATGCTTTGTT TATGGCATAGATAAGTTTATGGAAGACCTAAAAGATATGCTGGGCTTTGCTCCCAGCAGA TATTACTACTATATGTGGAAATATATTTCTCCTAATGCTATTATCATTGCTAATAGCT AGTGTGTGAATATGGGATTAAGTCTCCTGGCTATAACGCATGGATTGAAGATAAGGCA TCTGAAGAATTTCTGAGCTATCCAACATGGGGACTGGTTGTTTGTGCTCTCTGGTTGTC TTTGAATACTCCAGTCCCTGTAGTTTTTATTGTTTCGTCGCTTCAACCTTATAGATGAT AGTCTGGTAATTTAGCATCTGTGACCTATAAGAGAGGAAGGGTCTGAAAGAGCCTGTG AACTTAGAGGGCGATGATACAAGCCTCATTACGGAATAAATACCGAGCGAGATGCCATCT CCAATTTTGGTAAAAATATTTATCGAAAACAGAGTGGATCCCAACTCTGGATACTGCT CCCAATGGACGGTATGGAATAGGGTACTTGATGGCAGATATTATGCCAGATATGCCAGAA TCTGATTTG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001146335
Insert Size:	4364 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001146335.1, NP_001139807.1</u>
RefSeq Size:	4364 bp
RefSeq ORF:	1872 bp
Locus ID:	55117
UniProt ID:	<u>Q9H2J7</u>
Cytogenetics:	12q21.31
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks the 5' coding exon, resulting in a downstream AUG start codon, compared to variant 1. The resulting isoform (3) has a shorter N-terminus compared to isoform 1.</p>