

Product datasheet for **SC325790**

SLC1A5 (NM_001145145) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC1A5 (NM_001145145) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC1A5
Synonyms:	AAAT; ASCT2; ATBO; M7V1; M7VS1; R16; RDRC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001145145 edited
 CACAACCTAAGGAGCCCTCAAAGTTCAGTCTCCAGGTGCTGTTACTCAACTCAGTCC
 TAGGAACGTGGGTCTCTGGGAAGGAGCCCAAGCGCTCCAGCCAGCTTCCAGGCGCTAAG
 AAACCCCGGTGCTTCCATCATGGTGGCCGATCCTCCTCGAGACTCCAAGGGGCTCGCAG
 CGGC:GGAGCCACCCCAACGGGGGCTGGCGCTGGCCTCCATCGAGGACCAAGCGCG
 GCAGCAGGCGGCTACTGCGTTCCTGGGACCAGGTGCGCCGCTGCCTTCGAGCCAACCTG
 CTTGTGCTGCTGACAGTGGTGGCCGTGGTGGCCGCGTGGCGCTGGGACTGGGGGTGTCG
 GGGCCGGGGGTGCGCTGGCGTTGGGCCGGAGCGCTTGAGCGCCTTCGTCTTCCCGGGC
 GAGCTGCTGCTGCGTCTGCTGCGGATGATCATCTTGCCGCTGGTGGTGTGACGCTTGATC
 GGGCGCGCCGACGCTGGACCCCGCGCGCTCGG:CCG:TCTGGGCGCTGGGCGTGC
 TCTTTTCTGCTCACCAG:CTGCTGGCGTCGGCGCTCGGAGTGGGCTTGGCGTGGCT
 CTGCGCCGGGCGCCGCTCCGCCCATCAACGCCTCCG:TGGAGCCGCGGGCA:GTG
 CCGAAAATGCCCCAGCAAGGAGGTGCTCGATTCGTTCTGGATCTTGCAGAAAATATCT
 TCCCTTCAAACCTGGTGTGACGACCTTTCGATGTACTCTACCACCTATGAAGAGAGGA
 ATATCACCGAACCAAGGTGAAGGTGCCGTGGGGCAGGAGGTGGAGGGATGAACATCC
 TGGGCTTGGTAGTGTTCGCATCGTCTTGGTGTGGCGCTGCGGAAGCTGGGGCCTGAAG
 GGGAGCTGCTTATCCGCTTCTTCAACTCCTTCAATGAGGCCACCATGGTCTGGTCTCCT
 GGATCATGTGGTACGCCCTGTGGGCATCATGTTCTGGTGGCTGGCAAGATCGTGGAGA
 TGGAGGATGTGGGTTTACTCTTTGCCCGCTTGGCAAGTACATCTGTGCTGCCTGCTGG
 GTCACGCCATCCATGGGCTCCTGGTACTGCCCCATCTACTTCTTCCACCCGAAAA
 ACCCTACCGTCTCCTGTGGGCATCGTACGCCGCTGGCCACTGCCTTTGGGACCTCTT
 CCAGTTCGCCACGCTGCCGCTGATGATGAAGTGCCTGGAGGAGAATAATGGCGTGGCCA
 AGCATCAGCCGTTTCATCCTGCCATCGGCCACCGTCAACATGGACGGTCCCGCGC
 TCTTCCAGTGCCTGGCCGAGTGTTCATTGCACAGCTCAGCCAGCAGTCTTGGACTTCG
 TAAAGATCATACCATCCTGGTACGGCCACAGCGTCCAGCGTGGGGGCAGCGGGCATCC
 CTGCTGGAGGTGCTCCTACTCTGGCCATCATCCTCGAAGCAGTCAACCTCCCGGTGAC
 ATATCTCCTTGATCCTGGCTGTGGACTGGCTAGTCGACCGGTCTGTACCGTCTCAATG
 TAGAAGGTGACGCTCTGGGGCAGGACTCCTCCAAAATTACGTGGACCGTACGGAGTCGA
 GAAGCACAGAGCCTGAGTTGATAACAAGTGAAGAGTGAAGTGCCTGGATCCGCTGCCAC
 TCCCCACTGAGGAAGGAAACCCCTCCTCAAACACTATCGGGGGCCGAGGGGATGCCA
 CGGTGCGCTCTGAGAAGGAATCAGTCATGTAACCCCGGAGGGACCTTCCCTGCCCTGC
 TGGGGGTGCTCTTGGACTGATTATGAGGAATGGATAAATGGATGAGCTAGGGCTCT
 GGGGGTCTGCCTGCACACTCTGGGGAGCCAGGGGCCCCAGCACCTCCAGGACAGGAGAT
 CTGGGATGCCTGGCTGCTGGAGTACATGTGTTACAAGGGTACTCCTCAAAACCCCGAG
 TTCTCACTCATGTCCCAACTCAAGGCTAGAAAACAGCAAGATGGAGAAAATATGTTCTG
 CTGCGTCCCCACCGTACCTGCCTGGCCTCCCCTGTCTCAGGGAGCAGGTACAGGTCAC
 CATGGGAATTCTAGCCCCACTGGGGGATGTTACAACACCATGCTGGTATTTTGGCG
 GCTGTAGTTGTGGGGGATGTGTGTGTCACGTGTGT:G:TGTGTGTGTGTGTGTG
 TGTGTGTCTGTGACCTCCTGTCCCCATGGTACGTCCACCTGTCCCAGATCCCCT
 ATTCCCTCCACAATAACAGAAACACTCCAGGGACTCTGGGAGAGGCTGAGGACAAATA
 CCTGCTGCACTCCAGAGGACATTTTTTTTAGCAATAAAATTGAGTGCAACTATTTAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_001145145
Insert Size: 2400 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_001145145.1</u> , <u>NP_001138617.1</u>
RefSeq Size:	1927 bp
RefSeq ORF:	1020 bp
Locus ID:	6510
UniProt ID:	<u>Q15758</u>
Cytogenetics:	19q13.32
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>The SLC1A5 gene encodes a sodium-dependent neutral amino acid transporter that can act as a receptor for RD114/type D retrovirus (Larriba et al., 2001 [PubMed 11781704]).[supplied by OMIM, Jan 2011]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (3) has a shorter and distinct N-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.</p>