

Product datasheet for **SC324926**

SLC1A5 (NM_001145144) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC1A5 (NM_001145144) 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)



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Fully Sequenced ORF: >OriGene sequence for NM_001145144 edited
 CACAACCTAAGGAGCCCTCAAAGTTCAGTCTCCAGGTGCTGTTACTCAACTCAGTCC
 TAGGAACGTGGGTCTGGGAAGGAGCCCAAGCGCTCCAGCCAGCTTCCAGGCGTAAG
 AAACCCGGTGTCCCATCATGGTGGCCGATCCTCCTCGAGACTCCAAGGGGCTCGCAG
 CGGCGGAGCCACCGCAACGGGGGCTGGCGCTGGCCTCCATCGAGGACCAAGGCGGG
 CAGCAGGCGGCTACTGCGGTTCCCGGACCAGGTGCGCCGCTGCCTTCGAGCCAACTGC
 TTGTGCTGCTGACAGTGGTGGCGTGGTGGCGCGCTGGCGCTGGGACTGGGGGTGTCGG
 GGGCCGGGGTGCCTGGCGTTGGGCCCGAGCGCTTGAGCGCCTTCGTCTTCCCGGGCG
 AGCTGCTGCTGCGTCTGCTGCGGATGATCATCTTGCCGCTGGTGGTGTGCAGCTTATCG
 GCGGCGCCGACGCTGGACCCCGCGCGCTCGGCCGTCTGGGCGCTGGGCGTGTCTCT
 TTTTCTGGTACCACGCTGCTGGCGTGGCGCTCGGAGTGGGCTTGGCGCTGGCTGTG
 AGCCGGGCGCCGCTCCGCCGCATCAACGCTCCGTGGGAGCCGCGGCGAGTCCGAA
 ATGCCCCAGCAAGGAGGTGCTCGATTCTGTTCTGGATCTTGGAG:AAATATCTCCCT
 TCCAACCTGGTGTGACGACCTTTGCTCATACTTACCACCTATGAAGAGAGGAATATC
 ACCGGAACCAGGGTGAAGGTGCCGTGGGCGAGGAGTGGAGGGATGAACATCTGGGC
 TTGGTAGTGTTCGCATCGTCTTTGGTGTGGCGCTGCGGAAGCTGGGGCTGAAGGGGAG
 CTGCTTATCCGCTTCTCAACTCCTTCAATGAGGCCACCATGGTCTGGTCTCCTGGATC
 ATGTGGTACGCCCTGTGGGCATCATGTTCTGGTGGCTGGCAAGATCGTGGAGATGGAG
 GATGTGGGTTTACTCTTGGCCGCTTGGCAAGTACATTTCTGTGCTGCCTGCTGGGTAC
 GCCATCCATGGGCTCCTGGTACTGCCCCATCTACTTCTCTTACCCGCAAAAACCC
 TACCGTCTCCTGTGGGCATCGTACGCCGCTGGCCACTGCCTTTGGGACCTCTTCCAGT
 TCCGCCACGCTGCCGCTGATGATGAAGTCCGTGGAGGAGAATAATGGCGTGGCCAAGCAC
 ATCAGCCGTTTTCATCTGCCATCGGCCACCCTCAACATGGACGGTCCCGCGCTTTC
 CAGTGCCTGGCCGAGTGTTCATTGACACGCTCAGCCAGCAGTCCCTTGGACTTCGTAAAG
 ATCATCACCATCCTGGTACGGCCACAGCGTCCAGCGTGGGGGACGCGGCATCCCTGCT
 GGAGGTGTCTCACTCTGGCCATCATCCTCGAAGCAGTCAACCTCCCGGTGACCATATC
 TCCTTGATCCTGGCTGTGGACTGGCTAGTCCAGCGTCTGTACCGTCTCAATGTAGAA
 GGTGACGCTCTGGGGGACGACTCCTCCAAAATTACGTGGACCGTACGGAGTCCGAGAAGC
 ACAGAGCCTGAGTTGATAACAAGTGAAGAGTGAAGTGCCTGGATCCGCTGCCACTCCCC
 ACTGAGGAAGGAAACCCCTCCTCAAACACTATCGGGGGCCCGAGGGGATGCCACGGTC
 GCCTCTGAGAAGGAATCAGTCATGTAACCCCGGAGGGACCTTCCCTGCCCTGTGGGG
 GTGCTCTTTGGACACTGGATTATGAGGAATGGATAAATGGATGAGCTAGGGCTCTGGGG
 TCTGCCTGCACACTCTGGGGAGCCAGGGGCCCCAGCACCTCCAGGACAGGAGATCTGGG
 ATGCTGGCTGTGGAGTACATGTGTTCAAGGGTACTCCTCAAACCCCAAGTTCTC
 ACTCATGTCCCAACTCAAGGCTAGAAAACAGCAAGATGGAGAAAATAATGTTCTGCTGCG
 TCCCCACCGTGACCTGCCTGGCCTCCCTGTCTCAGGGAGCAGGTACAGGTACCATGG
 GGAATTCAGCCCCACTGGGGGATGTTACAACACCATGCTGGTATTTTGGCGGCTGT
 AGTTGTGGGGGATGTGTGTGTGCACGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT
 TCTGTGACCTCCTGTCCCATGGTACGTCCCACCCTGTCCCAGATCCCCTATCCCTCC
 ACAATAACAGAAACACTCCAGGGACTCTGGGGAGAGGCTGAGGACAAATACCTGCTGTC
 ACTCCAGAGGACATTTTTTTTAGCAATAAAATTGAGTGTCAACTATTTAAAAA
 AAAAAA

Restriction Sites: Please inquire
ACCN: NM_001145144
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_001145144.1</u> , <u>NP_001138616.1</u>
RefSeq Size:	1737 bp
RefSeq ORF:	942 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 (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p> <p>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>