

Product datasheet for **SC116600**

SLC1A5 (NM_005628) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC1A5 (NM_005628) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC1A5
Synonyms:	AAAT; ASCT2; ATBO; M7V1; M7VS1; R16; RDRC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_005628 edited
GTAACCGTACTCCCGGACACCAGACCACCGCCTTCCGTACACAGGGGCCCGCATCCCAC
CCTCCCGGACCTAAGAGCCTGGGTCCCCTGTTTCCGGAGGTCCGCTTCCCGGCCCCAGA
TTCTGGCATCCCAGCCCTCAGTGTCCAAGACCCAGGCAGCCCGGGTCCCGCCTCCCGGA
TCCAGGCGTCCGGATCTGCGCCACCAGAACCTAGCCTCCTGCAGACCTCCGCCATCTGG
GGGCACTCAACCTCCTGGAGCCAAGGGCCACGTCCCACCCAGAGAACTCTCGTATTC
CCAGTCCCTAGGGCCAAGGAACCCGGGGCTCCGAACCTCCAGCTTTCGGACATCTGGCA
CACGGGGCAGAGCAGAGAAGCCTCAGCGCCAGCCTGGGGAATTTAAACTCCAGCTTC
CAAGAGCCAAGGAACTTCAAGTGTGTGAACTCACAACTTAAGGAGCCCTCCAAAGTTCC
AGTCTCCAGTGTGTTACTCAACTCAGTCTAGGAACGTCCGGTCTGGGAAGGAGCCC
AAGCGCTCCAGCCAGCTTCCAGGCGCTAAGAAACCCGGTGTTCATCATGGTGGCC
GATCCTCCTCGAGACTCCAAGGGCTCGCAGCGGGAGCCACCGCCAACGGGGGCTG
GCGCTGGCTCCATCGAGGACCAAGGCGCGCAGCAGGCGGCTACTGCGGTTCCCGGGAC
CAGGTGCGCCGCTGCCTTCGAGCCAACCTGCTTGTGTGTGACAGTGGTGGCCGTGGT
GCCGGCTGGCGTGGGACTGGGGTGTGGGGCCGGGGTGGCTGGCGTTGGGCCCC
GAGCGCTTGAGCGCCTTCTGCTTCCCGGGCAGCTGCTGTGCTGCTGCGGATGATC
ATCTTGCCGCTGGTGGTGTGACGCTTGTGCGGGCGCCGCCAGCCTGGACCCCGGCGG
CTCGGCCGCTTGGGCGCTGGGCGCTGCTTTTTCTGGTACCACGCTGCTGGCGTCG
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GCCTCCGTGGGAGCCGCGGGCAGTGCCGAAAATGCCCCAGCAAGGAGGTGCTCGATTCC
TTCCTGGATCTTGCAGAAAATCTTCCCTTCAAACCTGGTGTGACGAGCCTTTCGCTCA
TACTCTACCACCTATGAAGAGAGGAATATCACCGGAACCAGGGTGAAGGTGCCCGTGGG
CAGGAGTGGAGGGATGAACATCCTGGGCTTGGTGTGTTGCCATCGTCTTTGGTGTG
GCGCTGCGGAAGCTGGGCGCTGAAGGGGAGCTGCTTATCCGCTTCTTCAACTCTTCAAT
GAGGCCACCATGTTCTGGTCTCCTGGATCATGTGGTACGCCCTGTGGGCATCATGTTT
CTGGTGGCTGGCAAGATCGTGGAGATGGAGGATGTGGTTTACTCTTTGCCCGCCTTGGC
AAGTACATTCTGTGTGCTGCTGGGTACGCCATCCATGGGCTCCTGGTACTGCCCTC
ATCTACTTCTCTTACCCGCAAAAACCCCTACCGCTTCTGTGGGCATCGTGACGCCG
CTGGCCACTGCCTTTGGACCTTTCAGTTCGCCACGCTGCCGCTGATGATGAAGTGC
GTGGAGGAGAATAATGGCGTGGCAAGCACATCAGCCGTTTCATCTGCCATCGCGGCC
ACCGTCAACATGGACGGTCCCGCTCTTCCAGTGCCTGGCCGAGTGTTCATTGCACAG
CTCAGCCAGCAGTCTTGGACTTCGTAAGATCATCACCATCCTGGTACGGCCACAGCG
TCCAGCGTGGGGCAGCGGGCATCCCTGCTGGAGGTGCTCACTCTGGCCATCATCCTC
GAAGCAGTCAACCTCCCGGTCGACCATATCTCCTTGATCCTGGCTGTGGACTGGTAGTC
GACCGGTCTGTACCGTCTCAATGTAGAAGGTGACGCTCTGGGGCAGGACTCTCCAA
AATTATGTGGACCGTACGGAGTCGAGAAGCACAGAGCCTGAGTTGATACAAGTGAAGAGT
GAGTGCCCTGGATCCGCTGCCAGTCCCAGTGGGAAGGAAACCCCTCCTCAAACAC
TATCGGGGCCCCGAGGGGATGCCACGGTCCCTCTGAGAAGGAATCAGTCATGTAACCC
CCGGGAGGGACCTTCCCTGCCCTGTGGGGTGTCTTTGGACACTGGATTATGAGGAAT
GGATAAATGGATGAGTAGGGCTCTGGGGTCTGCCTGCACACTCTGGGAGCCAGGGGC
CCCAGCACCTCCAGGACAGGAGATCTGGGATGCCTGGCTGCTGGAGTACATGTGTTTAC
AAGGGTACTCCTCAAACCCCCAGTTCTCACTCATGTCCCAACTCAAGGCTAGAAAAC
AGCAAGATGGAGAAATAATGTTCTGCTGCGTCCCACCGTACCTGCCTGGCCTCCCTG
TCTCAGGGAGCAGGTACAGGTACCATGGGGAATTCTAGCCCCACTGGGGGATGTTA
CAACACCATGCTGGTATTTTGGCGCTGTAGTTGTGGGGGATGTGTGTGTGCACGTGT
GTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT
GTCCCACCTGTCCCAGATCCCTATTCCTCCACAATAACAGAAACACTCCCAGGGAC
TCTGGGAGAGGCTGAGGACAAATACCTGCTGCTACTCCAGAGGACATTTTTTTAGCAA
TAAATTGAGTGTCAACTATTTAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:

NotI-NotI

ACCN:	NM_005628
Insert Size:	2750 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_005628.1.
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_005628.1</u> , <u>NP_005619.1</u>
RefSeq Size:	2856 bp
RefSeq ORF:	1626 bp
Locus ID:	6510
UniProt ID:	<u>Q15758</u>
Cytogenetics:	19q13.32
Domains:	SDF
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 (1) represents the longest transcript and encodes the longest 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>