

Product datasheet for **SC126357**

SLC38A5 (NM_033518) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A5 (NM_033518) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC38A5
Synonyms:	JM24; pp7194; SN2; SNAT5
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_033518 edited
 GGCCACTTCAGGAGCTGAGAGGAGCAGGATGGAAGTGCAGGATCCAAAGATGAATGGAGC
 CCTCCCTTCGGATGCTGTGGGCTACAGGCAAGAACGTGAGGGCTTCTGCCAGTCGTGG
 TCCTGCTCCTGGGAGCAAGCCGGTCCAGTTCATGGATTCGAGGGGAAGACATCGTTTGG
 AATGTCAGTGTCAACCTCAGCAACGCCATCATGGCAGCGGCATCCTGGGGCTGGCCTA
 TGCCATGGCCACACGGGGTTCATCTTCTCCTGGCCCTGCTGCTGTGCATTGCGCTTCT
 GTCGCTACTCCATCCACCTCCTGCTGACCTGTGCTGGTATTGCAGGCATCCGAGCCTA
 TGAGCAGCTGGGACAGAGGGCATTGCGGGCTGCGGGGAAGGTAGTGGTGGCCACAGTCAT
 CTGTCTGCACAATGTTGGGGCCATGTCCAGTTACCTGTTTCATCATCAAATCTGAGCTCCC
 CCTGGTTATCGGCACCTTCTGTACATGGACCCGAGGGGACTGGTTCTTGAAGGGAAA
 CCTCCTCATCATCATCGTCAGTGTGTTAATCATCTGCCCTCGCCCTCATGAAACACTT
 GGGCTACCTGGGTACACCAGTGGTCTCTCTGACCTGCATGCTGTTTTTCTTGTTC
 GGTTCATACAAGAAGTCCAACCTGGCTGTGCTATAGGCCACAATGAAACAGCAATGGA
 GAGTGAAGCTCTCGTGGGACTCCCCAGCCAAGGACTCAACAGCAGCTGTGAGGCCAGAT
 GTTCACAGTTGACTCACAGATGTCTACACAGTGCCATTATGGCTTTTGTCTTTGTCTG
 CCACCCTGAGGTGCTGCCATCTATACGAGCTGTGCCGGCCCTCAAGCGCAGGATGCA
 GGCCGTGGCCAACGTGTCCATTGGGGCCATGTTCTGCATGTATGGGCTCAGCAACCTT
 TGGATACCTCACCTTCTACAGCAGTGTGAAGGCGGAGATGCTGCACATGTACAGCCAGAA
 GGACCCGCTCATCCTCTGTGTGCGCCTGGCCGTGCTGCTCGCGGTGACCCCTACTGTGCC
 AGTCGTGCTGTTCCCTATCCGCCGGCCCTGCAGCAGCTGCTTTTCCAGGCAAGGCCTT
 CAGCTGGCCACGACATGTGGCCATAGCTCTGATCCTGCTGTTTTGGTCAATGCCTTGT
 CATCTGTGTGCCAACCATCCGGGATATCTTTGGAGTTATCGGGTCCACCTCAGCCCCAG
 CCTCATCTTTCATCCTCCAGCATCTTCTACCTCCGATTGTACCCTCTGAGTGGAGGAG
 TTTCTTATCCTGGCCCAAGATCCAGGCCCTGTGCTTTGGAGTCCGGAGTCTCTTCAT
 GGCCGTGAGTCTAGGCTTTATGTTTGGCAACTGGGCCACAGGCCAGAGCCGATGTCTGG
 AACTGATCAGGCCCTGCTGGCCAGGTCCTGTGCGCATGCACATGGAGGGGTGAGGGC
 CGCTCCCTAGGGTCCCTCCTGCCAACATGTGGAGGTGGCTGGTCCCATGAACGTGGTT
 GTCAGAGGCGGGGACAGCAGAGGCTGCAGACTGGCCACTTCCCTCCTCCAGGGATG
 CCAAGCTTGGATCATGGCCCTAATCCCAACCCCAACCCATGGGAGGAGGAGGAGGAGGA
 AGAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
 CCTTTGCCAGCCAGTCTCTCTGCTCCTCCTGGCTGAAGCTGTTTGTGAGGATTACC
 CTGGGGTAAAGAGGAAAAATAAAGATGTTGAGTACCAAAAAAAAAAAAAAAAAAAAAA
 AAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033518 unedited
 TCGGCATTTGTATACGACTACTATAGGCGGACCGCAATTGCGACGAGGGGCCACTTCAG
 GAGCTGAGAGGAGCAGGATGGAAGTGCAGGATCCAAAGATGAATGGAGCCCTCCCTTCGG
 ATGCTGTGGGCTACAGGCAAGAACGTGAGGGCTTCTGCCAGTCGTGGTCTGCTCCTG
 GGAGCAAGCCGGTCCAGTTCATGGATTCGAGGGGAAGACATCGTTTGAATGTCAGTGT
 TCAACCTCAGCAACGCCATCATGGCAGCGGCATCCTGGGGCTGGCCTATGCCATGGCC
 ACACGGGGTTCATCTTCTCCTGGCCCTGCTGCTGTGCATTGCGCTTCTGTGCTCCTACT
 CCATCCACCTCCTGCTGACCTGTGCTGGTATTGCAGGCATCCGAGCCTATGAGCAGCTGG
 GACAGAGGGCATTGCGGCCTGCGGGGAAGGTAGTGGTGGCCACAGTCATCTGTCTGCACA
 ATGTTGGGGCCATGTCCAGTTACCTGTTTCATCATCAAATCTGAGTCCCCCTGGTTATCG
 GCACCTTCTGTACATGGACCCGAGGGGACTGGTTCTTGAAGGGAAACCTNCTCATCA
 TCATCGTCAGTGTGTTAATCATCTGCCCTCGCCCTCATGAAACACTTGGGCTACTGG
 GGTACACCAGTGGTCTCTCTGACCTGCATGCTGTTTTCCCTTGTTCGGTACTCTAC
 AAGAAGTTTCCAAGTGGCTGTGCTATAGGCCACAATGAAACAGCCATGGGAGAGTGAAG
 CTCTCGTGGGACTCCCCAGCCAAAGGACTTACAGCAGCTGTGAGGCCAGATGTTTACA
 GTTGACTCAAAGATGTGCTACCCAGTGCCATTATGGCTTTTGTCTTTGTCTGCCACCTG
 AGGTGCTGCCATTTTAAACGAACTTTGGCGCCCTCCAGCCAGATGCAGGCCGTGGCA
 ACGTT

Restriction Sites:	Please inquire
ACCN:	NM_033518
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:	NM_033518.1 , NP_277053.1
RefSeq Size:	2667 bp
RefSeq ORF:	1419 bp
Locus ID:	92745
UniProt ID:	Q8WUX1
Cytogenetics:	Xp11.23
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene is a system N sodium-coupled amino acid transporter. The encoded protein transports glutamine, asparagine, histidine, serine, alanine, and glycine across the cell membrane, but does not transport charged amino acids, imino acids, or N-alkylated amino acids. Alternative splicing results in multiple transcript variants, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Aug 2013]