

Product datasheet for **SC319419**

SLC38A7 (NM_018231) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A7 (NM_018231) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC38A7
Synonyms:	SNAT7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018231.1
 ATCCCCCAAGCTCCATTTTCATGAGTAAGCGTGAGAGCCGCTCAGTTTCTCCAGCTCTGC
 TGAAGCCAGCACAGAAGTAGCCAACTCTTCCCTCTGCTGACAGCAAATTTTAGGCAAA
 GTCTTGAGAAAGAAATTTGGGTCCAGAAAGGAAGTGAGGAGAATCAGATCCCAGACC
 TTTGGGGAGAAGGAGCAACCGCTCTGGCACAGCCATTAGGGAGAAAGAGCAGGTTGAG
 AAGAGTCTAAGCTAACAGCCCCAACAGGTGGGTGTTGCTCAGCTCCCTGAGGCATGTG
 GTTGTAAGGCAGAACCCACAGACCTTGCAGGAAGAAGGCTCTCGGGGCCATGGCCAGGT
 CAGCATCAACAATGACTACAGCGAGTGGGACTTGAGCACGGATGCCGGGGAGCGGGCTCG
 GCTGCTGCAGAGTCCCTGTGTGGACACAGCCCCAAGAGTGAGTGGGAAGCCTCTCCTGG
 GGGTCTGGACAGAGGCACCACTTCCACACTTGGGGCCATCTTCATCGTCGTCACGCGTG
 CCTGGGTGCAGGGTTACTCAACTTCCCAGCAGCCTTCAGCACTGCGGGGGCGTGGCAGC
 AGGCATCGCACTGCAGATGGGTATGCTGGTTTTTCATCATCAGTGGCCTTGTATCCTGGC
 CTACTGCTCCCAGGCCAGCAATGAGAGGACCTACCAGGAGGTGGTATGGGCTGTGTGG
 CAAGCTGACAGGTGTGCTATGTGAGGTGGCCATCGCTGTCTACACCTTTGGCACCTGCAT
 TGCTTCTTAATCATCATTGGCGACCAGCAGGACAAGATTATAGCTGTGATGGCGAAAGA
 GCCGGAGGGGGCCAGCGGCCCTTGGTACACAGACCGCAAGTTACCATCAGCCTCACTGC
 CTTCTCTTCATCCTGCCCTCTCCATCCCCAGGAGATTGGTTTCCAGAAATATGCCAG
 CTTCTGAGCGTCGTGGGTACCTGGTACGTACAGCCATCGTTATCATCAAGTACATCTG
 GCCAGATAAAGAGATGACCCAGGGAACATCCTGACCAGGCCGGCTTCTGGATGGCTGT
 GTTCAATGCCATGCCACCATCTGCTTCGGATTTCAGTGCCACGTCAGCAGTGTGCCCGT
 CTTCAACAGCATGCAGCAGCCTGAAGTGAAGACCTGGGGTGGAGTGGTGACAGCTGCCAT
 GGTGATAGCCCTCGCTGTCTACATGGGGACAGGCATCTGTGGCTTCTGACCTTTGGAGC
 TGCTGTGGATCCTGACGTGCTCCTGTCTATCCCTCGGAGGACATGGCCGTGGCCGTTGC
 CCGAGCCTTCATCATCCTGAGCGTGCTCACCTCCTACCTATCCTGCACCTTCTGTGGGCG
 GCGGTTGGTGAAGGCCTGTGGCTGCGCTACCAGGGGGTGCCAGTGGAGGAGACGTGGG
 GCGGGAGCGGGCGGCGGAGTGCTGCAGACGCTGGTCTGGTTCTGCTCACCTGCTGCT
 GGCGCTCTTCATCCCTGACATCGCAAGGTGATCTCAGTCATTGGAGGCCTGGCCGCTG
 CTTTCATCTTCGTTCTCCAGGGCTGTGCCTCATTCAAGCCAACTCTCTGAGATGGAAGA
 GGTCAAACAGCCAGCTGGTGGGTGCTGGTCAGCTACGGAGTCTCTTGGTCACCCTGGG
 AGCCTTCATCTTCGCGCAGACCACAGCCAACGCCATCTTTGTGGATCTCTTGGCATAACC
 ACTGCCTCCCAGGGAACACAAGGCCTTTGCCATTGGTCGAGGAACCCATCTCTTAGAGC
 TATGGGGCCATTCTTAGTCCACGATCATTCCAACCTGGTGGGATGACATCCGGACATCCTC
 TTCCAGGGACTGGGGCAAACCTCAGGCCCCACACCTCTGGACAGCTCAAATCCAGTCCCCT
 TCCTGCTCCCCAGTCTTGGCAGTGCCGTGGATGGCGGCAGGAAGTCTCACATCATAGAGG
 ACCCTCCTCCTCTCCAGTTCTCAACTTCTCCATGCCTGGAATCCACGGGTGAAGAGAG
 TCGGTAGATCTCATAAGAAAGAATCCAGTCTGACTTCCCTCTGGAGAATGACTATGGACA
 GAAGGCCACCATCCTCCACAGAGCACCCTGTCTGAGTAGGGGTTGTGCTCATTACCCCA
 GGCCAGTGGTAGCTTCTCAGGAGCCTGGCCACTTCCAAGGTAGCACTGAAGTCATGCA
 AATACATAGTCAGGTAGATTACAGCCTTGTCCACACCTTCTGGGCAACCCCAACCATGA
 ACCTGTCAGCCTCTTTCCATAGCTAATAGACATTTCCAGGCCTTGAGGGGGCCCAACC
 TGTCTCTTTCATCAAACCTGATGGTCCAGGCTGGGCATCCCTCTCCTCCTCCATCCCCAG
 ACATCACCAGGTCTAATGTTTACAAACGGTGCCAGCCCGCTCTGAAGCCAAGGGCCGTC
 CCGTGCCACGGTGCTGTGAGTATTCCTCCGTTAGCTTTCCCATAGAGTTGGGAGTATCT
 GCTTTTGTGTCTGAGATGGGCCCTCTTTTCAGAGGCCGAGGGTGGGTGATGGAGAAGG
 CTGAGAACCTTTAGACCCTCTGTGTGGGCTGGGCTGGTCAGAATCAGGGGTACCTCCC
 CGACACCTTCTTTTCAGTGATGTTTTCTTCTCCTGCCTTTCTCTGCCTCCTCCCC
 TGCCAGCCCTAGCGTGACTACCCAGAGACAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_018231

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:	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_018231.1, NP_060701.1</u>
RefSeq Size:	2773 bp
RefSeq ORF:	1389 bp
Locus ID:	55238
UniProt ID:	<u>Q9NVC3</u>
Cytogenetics:	16q21
Domains:	Aa_trans
Protein Families:	Transmembrane
Gene Summary:	Mediates sodium-dependent transport of amino acids, preferentially L-glutamine. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.