

Product datasheet for **SC325185**

SLC38A4 (NM_001143824) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A4 (NM_001143824) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC38A4
Synonyms:	ATA3; NAT3; PAAT; SNAT4
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001143824, the custom clone sequence may differ by one or more nucleotides <pre> ATGGATCCCATGGAAGTGAAGAAATGTCAACATCGAACCAGATGATGAGAGCAGCAGTGGA GAAAGTGCTCCAGATAGCTACATCGGGATAGGAAATTCAGAAAAGGCAGCAATGAGCAGT CAATTTGCTAATGAAGACACTGAAAGTCAGAAATTCCTGACAAATGGATTTTGGGGAAA AAGAAGCTGGCAGATTATGCTGATGAACACCATCCCGGAACCACTTCCTTTGGAATGTCT TCATTTAACCTGAGTAATGCCATCATGGGCAGTGGGATCCTGGGCTTGCCTATGCCATG GCCAACACAGGGATCATACTTTTATAATCATGCTGCTTGTGTGCAATATTATCACTG TATTCAGTTCACCTTTTATTAACCAAGCAAGGAAGGAGGGTCTTTGATTTATGAAAAA TTAGGAGAAAAGGCATTTGGATGGCCGGGAAAAATTGGAGCTTTTGTTCATTACAATG CAGAACATTGGAGCAATGTCAAGCTACCTCTTTATCATTAAATATGAACTACCTGAAGTA ATCAGAGCATTATGGGACTTGAAGAAAATACTGGAGAATGGTACCTCAATGGCAACTAC CTCATCATATTTGTGCTGTTGGAATTATTCTTCCACTTTCGTCCTTAAAAATTTAGGT TATCTTGGCTATACCAGTGGATTTTCTTACCTGCATGGTGTGTTTTGTTAGTGTGGTG ATTTACAAGAAATTCAAATACCTGCCCTCTACCTGTTTTGGATCACAGTGTGGAAAT CTGTCAATCAACAACACGCTTCCAATGCATGTGGTAATGTTACCCAACAACCTCTGAGAGT TCTGATGTGAACCTCATGATGGATTACACCCACCGCAATCCTGCAGGGCTGGATGAGAAC CAGGCCAAGGGCTCTCTCATGACAGTGGAGTAGAATATGAAGCTCATAGTGATGACAAG TGTGAACCCAAATACTTTGTATTCAACTCCCGACGGCCTATGCAATTCCTATCCTAGTA TTTGCTTTTGTATGCCACCCTGAGGTCCTTCCCATCTACAGTGAACCTTAAAGATCGGTCC CGGAGAAAAATGCAACGGTGTCAAATATTTCCATCACGGGGATGCTTGTATGTACCTG CTTGCCGCCCTCTTTGGTTACCTAACCTTCTATGGAGAAGTTGAAGATGAATTACTTCAT GCCTACAGCAAAGTGATACATTAGACATCCCTCTTCTCATGGTTCGCCTGGCAGTCCTT GTGGCAGTAACACTAAGTGTGCCATTGCTCTTCCCAATTCGTACATCAGTGATCACA CTGTTATTTCCCAACGACCTTCAGCTGGATACGACATTTCTGATTGCAGCTGTGCTT ATTGCACTTAATAATGTTCTGGTCATCCTTGTGCCAACTATAAAATACATCTTCGGATTC ATAGGGGCTTCTTCTGCCACTATGCTGATTTTTATTCTTCCAGCAGTTTTTATCTTAA CTTGTCAGAAAGAACTTTTAGGTCACCCCAAAAGGTCGGGGCTTAAATTTCTTGTG GTTGGAATATTCTTCATGATTGGAAGCATGGCACTCATTATAATTGACTGGATTTATGAT CCTCCAAATTCGAAGCATCAC </pre>



[View online »](#)

Restriction Sites:	Please inquire
ACCN:	NM_001143824
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_001143824.1, NP_001137296.1</u>
RefSeq Size:	3807 bp
RefSeq ORF:	1644 bp
Locus ID:	55089
UniProt ID:	<u>Q969I6</u>
Cytogenetics:	12q13.11
Protein Families:	Transmembrane
Gene Summary:	SLC38A4 is found predominantly in liver and transports both cationic and neutral amino acids. The transport of cationic amino acids by SLC38A4 is Na(+) and pH independent, while the transport of neutral amino acids is Na(+) and pH dependent (Hatanaka et al., 2001 [PubMed 11342143]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.