

## Product datasheet for **SC310368**

### SLC38A6 (NM\_153811) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A6 (NM_153811) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC38A6
Synonyms:	NAT-1; SNAT6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310368 representing NM_153811. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGCGTCTGGGGAGCTCAACGCTGAGCGGGGCTGGTATGTCTCTGTCCAGCAGCCTGAAGAA
GCGGAGGCCGAAGAGTTGAGTCCGTTGCTAAGCAACGAACCTCACAGACAGCGATCCCCAGGTGTTTCA
TTTGGTTTATCAGTGTAAATTTGATGAATGCCATCATGGGAAGTGGCATCCTGGCTTAGCTTATGTT
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GTCCATCTTCTGCTTAGTATGTATTAGACAGCTGTAACATCTTATGAAGATCTTGGACTCTTGGCA
TTTGGATTACCTGAAAGTTGGTGGTGGCAGGCACCATAATAATTCAGAATATTGGAGCTATGTCATCT
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CTTCCAAAATAGGCTTTCTTGGCTACACAAGTAGTTTATCATTTTTCTTATGATGTTCTTTGCTCTT
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CCAACCATGGCTTTTTCTTCTGCCATACCTCAATATTGCCATATACTGTGAACCTCAAAGTCCCT
TCAAAGAAAAGAATGCAGAATGTTACCAATACAGCAATTGCTTTAAGTTTTCTCATTATTTTATATCT
GCACCTTTGGGTACCTCACTTTTTATGACAAAGTGGAGTCAGAATTAATAAAGTTATAGTAAATAC
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CTAATCCACTTCCCTGCCAGAAAAGCTGTAACAATGATGTTTTCTCCAATTTTCCATTCTCATGGATT
CGCCATTTTTGATCACTCTAGCACTCAATATTATCATCGTTTTACTTGAATATATGTTCTGACATT
AGAAATGATTTGGTGTAGTTGGTGGCAGTACATCAACATGTTTGTATTTTATATTTCCAGGACTATTT
TATCTTAACTTAGCAGAGAGGATTTTCTGTCATGGAAAAGCTTGGGGCATTGTTTTGCTCATCTTT
GGAATTTGGTTGGGAATTTAGTTTAGCACTCATTTTTGATTGGATTAATAAATATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_153811
<b>Insert Size:</b>	1371 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_153811.1</u>
<b>RefSeq Size:</b>	1662 bp
<b>RefSeq ORF:</b>	1371 bp
<b>Locus ID:</b>	145389
<b>UniProt ID:</b>	<u>Q8IZM9</u>
<b>Cytogenetics:</b>	14q23.1
<b>Domains:</b>	Aa_trans
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	50.9 kDa
<b>Gene Summary:</b>	Probable sodium-dependent amino acid/proton antiporter, could be a neuronal transporter for glutamate.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses a distinct splice pattern in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.