

Product datasheet for **SC306841**

SLC38A11 (NM_173512) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A11 (NM_173512) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC38A11
Synonyms:	AVT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306841 representing NM_173512. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGAAGCAAGCTGGGTTTCCTTTGGGAATATTGCTTTTATTCTGGGTTTCATATGTTACAGACTTTTCC
 CTTGTTTTATTGATAAAAGGAGGGGCCCTCTCTGGAACAGATACCTACCAGTCTTTGGTCAATAAACT
 TTCGGCTTCCAGGGTATCTGCTCCTCTCTGTTCTTCAGTTTTGTATCCTTTTATAGTTGATCTGAA
 AACGTGTTTATTGGTCGCCACTTCATTATTGGACTTTCACAGTTACCTTTACTCTGCCTTTATCCTTG
 TACCGAAATATAGCAAAGCTTGAAAGGTCTCCCTCATCTCTACAGGTTTAACTCTGATTCTTGGA
 ATTGTAATGGCAAGGGCAATTTCACTGGGTCCACACATACCAAAACAGAAGACGCTTGGGTATTTGCA
 AAGCCCAATGCCATTCAAGCGGTCGGGGTTATGTCTTTTGCAATTTATTTGCCACCATAACTCCTTCTTA
 GTTACAGTTCTCTAGAAGAACCACAGTAGCTAAGTGGTCCCGCTTATCCATATGTCCATCGTGATT
 TCTGTATTTATCTGTATATTCTTTGCTACATGTGGATACTTGACATTTACTGGCTTCACCAAGGGGAC
 TTATTTGAAAATTACTGCAGAAATGATGACCTGGTAACATTTGGAAGATTTGTTATGGTGTCACGTGC
 ATTTTGACATACCCTATGGAATGCTTTGTGACAAGAGAGGTAATTGCCAATGTGTTTTTGGTGGGAAT
 CTTTCATCGGTTTTCCACATTGTTGTAACAGTGATGGTCATCACTGTAGCCACGCTTGTCATTGCTG
 ATTGATTGCCTCGGATAGTTCTAGAATCAATGGTGTGCTCTGTGCAACTCCCTCATTTTATCATT
 CCATCAGCCTGTTATCTGAACTGTCTGAAGAACCAAGGACACACTCCGATAAGATTATGCTTTGTGTC
 ATGCTTCCCATTGGTGCTGTGGTATGTTTTTGGATTGCTCATGGCTATTACAAATACTCAAGACTGC
 ACCCATGGGCAGGAAATGTTCTACTGCTTTCCTGACAATTTCTCTCTCACAATACCTCAGAGTCTCAT
 GTTCAGCAGACAACAACCTTTCTACTTTAAATATTAGTATCTTCAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_173512
Insert Size:	1155 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:	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_173512.2</u>
RefSeq Size:	1724 bp
RefSeq ORF:	1155 bp
Locus ID:	151258
UniProt ID:	<u>Q08AI6</u>
Cytogenetics:	2q24.3
Protein Families:	Transmembrane
MW:	42.4 kDa
Gene Summary:	Putative sodium-dependent amino acid/proton antiporter.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an in-frame coding exon, as compared to variant 1. The resulting isoform (2) lacks an internal segment, as compared to isoform 1.