

Product datasheet for **SC126196**

SLC6A18 (NM_182632) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC6A18 (NM_182632) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC6A18
Synonyms:	Xtrp2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_182632 edited
CAGAGGCTGGAGACGGCTCTCTAGTGCTGGGTGTGGAGTGAGGCACCACCCTTGCCCTGA
AGCCTGGGGCACTCAGTCACCATGGCTCATGCCCCAGAACCGGACCCGGCCGCTGCGAC
CTCGGGGATGAGAGGCCCAAGTGGGACAACAAGGCCAGTACCTCCTGAGCTGCACTGGG
TTTGCCGTGGGACTGGGGAACATTTGGCGGTTCCCATACCTGTGCCAGACCTATGGAGGA
GGGGCCTTCTCATCCCCTACGTATCGCGTGGTCTTCGAGGGGATCCCCATTTTCCAC
GTGAGCTCGCCATCGGCCAGCGGCTGCGGAAGGCAGCGTCGGCGTGTGGACGGCCATC
TCCCCGTACCTCAGTGGAGTAGGGCTGGGCTGTGTCACGCTGTCCTTCTGATCAGCCTG
TACTACAACACCATCGTGGCGTGGGTGCTGTGGTACCTCCTCAACTCCTTCCAGCACCCG
CTGCCCTGGAGCTCCTGCCACCGGACCTCAACAGAACAGGGTTTGTGGAGGAGTGCCAG
GGCAGCAGCGCCGTGAGCTACTTCTGGTACCGGCAGACACTGAACATCACAGCCGACATC
AATGACAGTGGCTCCATCCAGTGGTGGTGCTCATCTGCTTGGCAGCCTCCTGGGACGTC
GTGTACATGTGTGCATCAGGGCATTGAGACTACAGGGAAGGTGATTTACTTCACAGCT
TTGTTCCCTTACCTGGTCTGACCATCTTCTCATCAGAGGGCTGACCCTGCCAGGGGCA
ACAAAAGGACTCATCTACTTGTACTCCCAACATGCACATTCTCCAGAACCCCCGGGTG
TGGCTGGACGCAGCCACCAGATATTCTTCTCTGTCCCTGGCCTTCGGAGGACACATC
GCTTTTGAAGTTACAACCTCGCCCAGGAATGACTGCCAGAAGGATGCGGTGGTATCGCC
CTGGTCAACAGGATGACCTCCCTGTACGCGTCCATCGCTGTCTTCTGTCTGCTGGGGTTC
AAAGCAACTAATGACTACGAGCACTGCCTGGACAGAAACATCCTCAGCCTCATCAACGAC
TTTGACTTCCCAGAGCAGAGCATCTCCAGGGACGACTACCCAGCCGTCTCATGCACCTG
AACGCCACCTGGCCCAAGAGGGTGGCCAGCTCCCCCTGAAGGCCTGCCTCCTGGAAGAC
TTTCTGGATAAAGAGTGCCTCGGGCCGGCCTGGCCTTCGTGCTTTCACGGAGACCCGAC
CTCCACATGCCGGGGCTCCTGTGTGGCCATGCTCTTCTTCGGGATGCTGTTACCTTG
GGGCTATCGACCATGTTTCGGGACCGTGGAGGCGGTTCATCACACCCTGCTGGACGTGGGG
GTCCTGCCTAGATGGGTCCCAAGGAGGCCCTGACTGGGCTGGTCTGCCTGGTCTGCTTC
CTCTCCGCCACCTGCTTACGCTGCAGTCTGGAACTACTGGCTGGAGATTTTCGACAAT
TTTGCCGTTCCCCGAACCTGCTCATGTTGGCCTTCTCGAGGTTGTGGGTGTCGTTTAT
GTTTATGGAATGAAACGGTTCGCGATGACATTGCGTGGATGACCGGGAGGCGGCCAGC
CCCTACTGGCGGCTGACCTGGAGGGTGGTCAGTCCCCTGCTGCTGACCATCTTTGTGGCT
TACATCATCCTCCTGTTCTGGAAGCCACTGAGATAACAAGCCTGGAACCCCAAATACGAG
CTGTTCCCTCGCGTCAGGAGAAGCTTACCCGGGCTGGGCGCGCCGCTGTGTGCTG
CTGTCCTTGTGCCCCGTGCTGTGGGTCCCCTGGCCGCGCTTGCTCAGCTGCTCACCCGG
CGGAGGGCGGACGTGGAGGGACAGGGACGCGGCCAGACACGGACATGCGCCCGGACACG
GACACGCGCCAGACACGGACATGCGCCCGGACACGGACATGCGCTGAAGCCGGCCGGAG
CGGGGCTGCATGGGCGGGTCTGTGGGGGGCTTGGCCTGATGGTGGGCGGGGCCCGCC
CACAGGGCCGACCCCAATACACCAGCGACTCAACCTTGAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_182632 unedited NNTTCGAGTTCAAATTTGTATACGACTCACTATNAGGCGGCCGCGNATTCCTCCGGGTTTCAG AGGCTGGAGACGGCTCTCTAGTGTGGGTGTGGAGTGAGGCACCACCCTTGCCCTGAAGC CTGGGGCACTCAGTCACCATGGCTCATGCCCCAGAACCGGACCCGGCCGCTGCGACCTC GGGGATGAGAGGCCCAAGTGGGACAACAAGGCCAGTACCTCCTGAGCTGCACTGGGTTT GCCGTGGGACTGGGGAACATTTGGCGTTCCCATACTGTGCCAGACCTATGGAGGAGGG GCCTTCCTCATCCCCTACGTCATCGCGTGGTCTTCGAGGGGATCCCCATTTCCACGTC GAGCTCGCCATCGGCCAGCGGTGCGGAAGGGCAGCGTCGGCGTGTGGACGGCCATCTCC CCGTACCTCAGTGGAGTAGGGCTGGGCTGTGTCACGCTGTCTTCTGATCAGCCTGTAC TACAACACCATCGTGGCGTGGGTGCTGTGGTACCTCCTCAACTCCTCCAGCACCCGCTG CCCTGGAGCTCCTGCCACCGGACCTCAACAGAACAGGGTTTGTGGAGGAGTGCCAGGGC AGCAGCGCGTGAGCTACTTCTGGTACCGGCAGACACTGAACATCACAGCCGACATCAAT GACAGTGGCTCCATCCAGTGGTGGCTGCTCATCTGCTTGGCAGCCTCTGGGCAGTCGTG TACATGTGTGTCATCAGGGGCATTGAGACTACAGGAAAGTGATTTACTTCACAGCTTTG TTCCTTACCTGGTCTGACCATCTTTCTCATCAGAGGGCTGACCCTGCCAGGGGCAACA AAGGACTCATCTACT
Restriction Sites:	NotI-NotI
ACCN:	NM_182632
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_182632.1 , NP_872438.1
RefSeq Size:	2120 bp
RefSeq ORF:	1887 bp
Locus ID:	348932
UniProt ID:	Q96N87
Cytogenetics:	5p15.33
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

The SLC6 family of proteins, which includes SLC6A18, act as specific transporters for neurotransmitters, amino acids, and osmolytes like betaine, taurine, and creatine. SLC6 proteins are sodium cotransporters that derive the energy for solute transport from the electrochemical gradient for sodium ions (Hoglund et al., 2005 [PubMed 16125675]).[supplied by OMIM, Apr 2010]