

Product datasheet for **SC127368**

SLC44A2 (NM_020428) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A2 (NM_020428) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC44A2
Synonyms:	CTL2; PP1292
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127368 sequence for NM_020428 edited (data generated by NextGen Sequencing)

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ATGGGGGACGAGCGGCCCACTACTACGGGAAACACGGAACGCCACAGAAGTATGATCCC
ACTTTCAAAGGACCCATTTACAATAGGGGCTGCACGGATATCATATGCTGTGTTCCTG
CTCCTGGCCATTGTGGGCTACGTGGCTGTAGGCATCATAGCCTGGACTCATGGAGACCT
CGAAAGGTGATCTACCCCACTGATAGCCGGGGCGAGTTCTGCGGGCAGAAGGGCACAAAA
AACGAGAACAACCCCTATCTGTTTTATTTC AACATTGTGAAATGTGCCAGCCCCCTGGTT
CTGCTGGAATTCCAATGTCCCACCTCCCAAGATCTGCGTGAAAAATGCCCGACCGCTAC
CTCACGTACCTGAATGCTCGCAGCTCCCGGACTTTGAGTACTATAAGCAGTTCTGTGTT
CCTGGCTTCAAGAACAATAAAGGAGTGGCTGAGGTGCTTCGAGATGGTACTGCCCTGCT
GTCCTCATCCCCAGCAAACCCCTTGGCCGGAGATGCTTCCCCGCTATCCACGCCTACAAG
GGTGTCTGATGGTGGGCAATGAGACGACCTATGAGGATGGGCATGGCTCCCGAAAAAC
ATCACAGACCTGGTGGAGGGCGCAAGAAAGCCAATGGAGTCTAGAGGCGGGCAACTC
GCCATGCGCATATTTGAAGATTACACCGTCTCTTGGTACTGGATTATCATAGGCCTGGTC
ATTGCCATGGCGATGAGCCTCCTGTTTCATCATCCTGCTTCGCTTCTGGCTGGTATTATG
GTCTGGGTGATGATCATCATGGTGATTCTGGTGCTGGGCTACGGAATATTTCACTGCTAC
ATGGAGTACTCCCGACTCGTGGTGAGGCCGGCTCTGATGTCTTTGGTGGACCTCGGC
TTTCAGACGGATTTCCGGGTGTACCTGCACTTACGGCAGACCTGGTTGGCCTTTATGATC
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CTCATCGCGATTGCACTCATCAAAGAAGCCAGCAGGGCTGTGGGATACGTATGTGCTCC
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TGCCCATTTACTGCGAAAACCTGCAACCCAGAGACCTTCCCTCCTCCAATGAGTCCCGC
CAATGCCCAATGCCCGTTGCCAGTTCCGCTTCTACGGTGGTGAAGTCCGGCTACCCGG
GCCCTGTGGCCCTGCAGATCTTCAATGCCTTCATGTTCTTCTGGTTGGCCAACCTCGTG
CTGGCGTGGGCCAGGTACGCTGGCCGGGCCTTGCCTCCTACTACTGGCCCTGCGC
AAGCCGGACGACCTGCCGGCCTTCCCGCTTCTCTGCCTTTGGCCGGGCGCTCAGGTAC
CACACAGGCTCCCTGGCCTTGGCGCGCTCATCCTGGCCATTGTGCAGATCATCCGTGTG
ATACTCGAGTACCTGGATCAGCGGCTGAAAGCTGCAGAGAACAAGTTTCCAAGTGCCTC
ATGACCTGTCTCAAATGCTGCTTCTGGTGCCTGGAGAAGTTCATCAAATTCCTTAATAGG
AATGCCTACATCATGATTGCCATCTACGGCACCAATTTCTGCACCTCGGCCAGGAATGCC
TTCTTCTGCTCATGAGAAACATCATCAGAGTGGCTGTCCTGGATAAAGTTACTGACTTC
CTTCTCTGTTGGGCAAACTTCTGATCGTTGGTAGTGTGGGGATCCTGGCTTTCTTCTTC
TTCACCCACCGTATCAGGATCGTGCAGGATACAGCACCACCCCTCAATTACTGGGTT
CCTATACTGACGGTATCGTTGGCTCCTACTTGATTGCACACGGTTTCTTACGCGTCTAT
GGCATGTGTGGACACGCTGTTCTCTGCTTCTTGGAGGACCTGGAGAGGAATGACGGC
TCGGCCGAGAGGCCTTACTTCATGTCTTCCACCCTCAAGAACTTTGAACAAGACCAAC
ACAAGGCAGCGGAGTCTGA
    
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Clone variation with respect to NM_020428.3
 204 c=>t;461 a=>g;1188 t=>c;2103 g=>c

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_020428 unedited</p> <pre>GGAATTGTATACGACTACTATAGGGCGGCCGCAATTCGCACGAGGGGCGGCCGCCGGGG CTGGTCGCTGCAGGGATGGGGGACGAGCGGCCCACTACTACGGGAAACACGGAACGCC ACAGAAGTATGATCCCACCTTTCAAAGGACCCATTTACAATAGGGGCTGCACGGATATCAT ATGCTGTGTGTTCTGCTCCTGGCCATTGTGGGCTACGTGGCTGTAGGCATCATAGCCTG GACTCATGGAGACCCTCGAAAGGTGATCTACCCCACTGATAGCCGGGGCGAGTTCTGCGG GCAGAAGGGCACAAAAACGAGAACAACCCCTATCTGTTTTATTTCAACATTGTGAAATG TGCCAGCCCCCTGGTTCTGCTGGAATTCCAATGTCCCACTCCCCAGATCTGCGTGGAAAA ATGCCCGACCGCTACCTCACGTACCTGAATGCTCGCAGCTCCCGGACTTTGAGTACTA TAAGCAGTTCTGTGTTCTGCTTCAAGAACAATAAAGGAGTGGCTGAGGTGCTTCGAGA TGGTGACTGCCCTGCTGCTCATCCCCAGCAAACCCCTGGCCCGGAGATGCTTCCCCGC TATCCACGCTACAAGGGTGTCTGATGGTGGCAATGAGACGACCTATGAGGATGGGCA TGGCTCCCGAAAACATCACAGACCTGGTGGAGGGCGCCAAGAAACCAATGGAGTCTAG AGGCGCGCAACTCGCCATGCGCATATTTGAAGATACACCGTCTCTTGGTACTGGATATC ATANGCCTGGTCATTGCCATGGCGATGAGCCTNCTGTTACATCTGCTTCNCTTCTG CTGGTATTATGGNCTGGNGATGATCATCATGGTG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_020428 unedited</p> <pre>CCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TACCTGGACAATAGGCACCTTTATTAGTGGTTGGAATGCAGTTACACCCAGGGGTGTCAA ACCAATGGGGGACAGGGTGGTGCAGGCACAGGAAACGGGAAACCCCCCTTTTTCCCC TGGGGCCAGGGTTCTCCCTCTCCAGGATCCTGGGACAGTGCTGATGACCAAAGACATGA AGTCTGAGGGGGACTTGAATATGGCAAAGGGGCAACTGGGAAGCCAGTTCCTGAGTT TGACAAGTTTGGCAAAGGATCAAGTGAGGGGTGTGGGCAAAGGGGCCCGGTTTGCCCAA GACATTTGCCCTCCACCTCTCCCCGAAATCATCCCTGGGTGGGTTTAGTTTCTTTCC TCTTTACAAAGAAAGCTGTGTCAATAACTGGCAGAAGAAGTCGGGAAATTTAACCTAAC TCCCTCCACCCCAACAGGTTTCCATTAACAGGCTATTACCCTTTTTCTTTACCCCTGT TTTTACTGCCAAACCCCGAAAAATTTCCCTCCCTTTCCCTTTTTTCCACCCAGGAAAC CCCCCACTTGGGTACCATCAATTCCCACCCGTTACTTCCCGCTGGGAGGAACCAACAG GGAAGCCTTTTTTTGGCGGCCCTATCTCACTCGGTGCGCACCTACCGTAACATAATTTCT ATTTAATTCTCTAACGGCCTTGACGCGTCACACAATATCCATCATAACATAGCCGCTCC TGGCGGCCCTTATCCCCATGTCTTTTGTTACAATAGTCCCCNTCCCGCTCCGCCA TACTCATAATATTCTGTCCGCCCTTTTCCACCTTTTGTATTAAACCANCAACCTC TTATCTTCTTNTCACTCGCTTTTCCNCCCCGCCCTTTTCTATTGCGCTTCTCTCC CCCGTCCGCCCTTTCTCTTCTAC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_020428
Insert Size:	3570 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).
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:	<u>NM_020428.2</u> , <u>NP_065161.2</u>
RefSeq Size:	3389 bp
RefSeq ORF:	2121 bp
Locus ID:	57153
UniProt ID:	<u>Q8IWA5</u>
Cytogenetics:	19p13.2
Domains:	DUF580
Protein Families:	Transmembrane
Gene Summary:	Isoform 1, but not isoform 3, exhibits some choline transporter activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant encodes isoform 1.