

Product datasheet for **SC112771**

SLC44A1 (NM_080546) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A1 (NM_080546) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC44A1
Synonyms:	CD92; CDW92; CHTL1; CONATOC; CTL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_080546, the custom clone sequence may differ by one or more nucleotides

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ATGGGCTGCTGCAGCTCCGCCTCCTCCGCCGCGCAGAGCTCCAAACGAGAATGGAAGCCGCTGGAGGACC
GTAGCTGCACAGACATACCATGGCTGCTGCTCTTCATCCTCTTCTGCATTGGGATGGGATTTATTTGTGG
CTTTTCAATAGCAACAGGTGCAGCAGCAAGACTAGTGTGAGGATACGACAGCTATGGAAATATCTGTGGG
CAGAAAAATACAAAGTTGGAAGCAATACCAAACAGTGGCATGGACCACACCCAGCGGAAGTATGTATTCT
TTTTGGATCCATGCAACCTGGACTTGATAAACCGGAAGATTAAGTCTGTAGCACTGTGTGTAGCAGCGTG
TCCAAGGCAAGAACTGAAAACCTCTGAGTGATGTTGAGAAGTTTGAGAGATAAATGGTTCAGCCCTATGT
AGCTACAACCTAAAGCCTTCTGAATACACTACATCTCCAAATCTTCTGTTCTCTGCCCCAACTACCAAG
TTCCAGCGAGTGACCTATTCCATTCTTCCATCGCTGTGCTCCTGTGAACATTTCTGCTATGCCAAGTT
TGCAGAGGCCCTGATCACCTTTGTCAGTGACAATAGTGTCTTACACAGGCTGATTAGTGGAGTAATGACC
AGCAAAGAAATTATATTGGGACTTTGCTTGTATCACTAGTTCTATCCATGATTTTGATGGTGATAATCA
GGTATATATCAAGAGTACTTGTGTGGATCTTAACGATTCTGGTCATACTCGGTTCACTTGGAGGCACAGG
TGTAATATGGTGGCTGTATGCAAAGCAAAGAAGGTCTCCCAAAGAACTGTTACTCTGAGCAGCTTCAG
ATAGCTGAAGACAATCTTCGGGCCCTCCTCATTTATGCCATTTACAGTACAGTGTTACAGTGATCTTAT
TCCTGATAATGTTGGTTATGCGCAACGTGTTGCTCTTACCATCGCCTTGTTCACGTAGCTGGCAAGGT
CTTCATTCACCTTGCCTGCTAGTCTTCCAACCTTCTGGACTTTCTTTGCTCTTGTCTTGTGTTTGGGTG
TACTGGATCATGACACTTCTTTTCTTGGCACTACCGGCAAGTCTGTTTCAAGATGAGCAAGGCTTTGTGG
AGTTCAAATTTCTGGGCTCTGCAGTACATGTGGTGGTACCATGTGGTGGGCTGATTTGGATCAGTGA
ATTTATTTAGCATGTGACGAGATGACAGTGGCAGGAGCTGTGGTAACATACTATTTTACTAGGGATAAA
AGGAATTTGCCATTTACACCTATTTTGGCATCAGTAAATCGCCTTATTCGTTACCACCTAGGTACGGTGG
CAAAAGGATCTTTTATTATCACATTAGTCAAAATTCGCGAATGATCCTTATGTATTTACAGTACAGT
CAAAGGAAAGGAAATGCTTGTGCAGATGTGTGCTGAAATCTTGCAATTTGTTGCCTTTGTTGCTTGA
AAGTGCCTAAATATTTAAATCAGAATGCATACACAGCCACAGCTATCAACAGCACCAACTTCTGCACCT
CAGCAAAGGATGCCTTTGTCTTCTGGTGGAGAATGCTTTGCGAGTGGCTACCATCAACACAGTAGGAGA
TTTTATGTTATTTCTGGCAAGGTGCTGATAGTCTGCAGCAGGTTTGTGCTGGGATTATGCTGCTCAAC
TACCAGCAGGACTACACAGTATGGGTGCTGCTCTGATCATCGTCTGCCTCTTTGCTTCTAGTCGCTC
ATTGCTTCTGTCTATTTATGAAATGGTAGTGGATGTATTATTCTTGTGTTTGGCATTGATACAAAATA
CAATGATGGGAGCCCTGGCAGAGAATTCTATATGGATAAAGTGTGATGGAGTTTGTGGAACAGTAGG
AAAGCAATGAAAGAAGCTGGTAAGGGAGGCGTCGCTGATTCCAGAGAGCTAAAGCCGATGGCTTCGGGAG
CAAGTTCTGCTTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_080546 unedited

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TTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCGGCCCGCCATGGGCTG
CTGCAGCTCCGCCTCCTCCGCCGCGCAGAGCTCCAAACGAGAATGGAAGCCGCTGGAGGA
CCGTAGCTGCACAGACATACCATGGCTGCTGCTCTTCATCCTCTTCTGCATTGGGATGGT
ATGTATTCTTTTTGGATCCATGCAACCTGGACTTGATAAACCGGAAGATTAAGTCTGTAG
CACTGTGTGTAGCANCCTGTCCAAGGCAAGAACTGAAAACCTCTGAGTGATGTTGAGAAGT
TTGCAGAGATAAATGGTTCAGCCCTATGTAGCTACAACCTAAAGCCTTCTGAATACATA
CATCTCCAAAATCTTCTGTTCTCTGCCCCAACTACCAGTTCCAGCGAGTGACCTATTC
CATTCTTCCATCGCTGTGCTCCTGTGAACATTTCTGCTATGCCAAGTTTGCAGAGGCC
TGATCACCTTTGTCAGTGACAATAGTGTCTTACACAGGCTGATTAGTGGAGTAATGACCA
GCAAAGAAATTATATTGGGACTTTGCTTGTATCACTAGTTCTATCCATGATTTTGATGG
CGATAATCACGTATATATCAAGAGTACTTGTGCGGATCTTAACGATTCCTGGCATACTCG
GGTCACTTGGAGGCACAGGTGTACTATGGTGGCTGTATGCCAAACAAAGAACGTCTCAA
AAGAACTGTTACTCCCGGAGCGCCTTAAAAAACTGAAGACCATTTGCGGGCCCTCCTA
ATTATGCCACTTTACCTACAGGGGTACAGACGACTTCATTCCCGAAAAGGTTGGCTCTG
CCCCAACGTGTTGCTCTTACCCTAGGCTTGGGGCAGTACCTGGCAAGGCCTTCATTACT
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Restriction Sites:	NotI-NotI
ACCN:	NM_080546
Insert Size:	3160 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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:	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_080546.2</u> , <u>NP_536856.2</u>
RefSeq Size:	10521 bp
RefSeq ORF:	10521 bp
Locus ID:	23446
UniProt ID:	<u>Q8WWI5</u>
Cytogenetics:	9q31.1-q31.2
Domains:	DUF580
Protein Families:	Transmembrane
Gene Summary:	Choline transporter. May be involved in membrane synthesis and myelin production. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).