

Product datasheet for **RC239212**

SLC44A1 (NM_001286730) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A1 (NM_001286730) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC44A1
Synonyms:	CD92; CDW92; CHTL1; CONATOC; CTL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239212 representing NM_001286730
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGCTGCTGCAGCTCCGCCTCTCCGCCGCGCAGAGCTCCAAACGAGAATGGAAGCCGCTGGAGGACC
 GTAGCTGCACAGACATACCATGGCTGCTGCTCTTCATCCTCTTCTGCATTGGGATGGGATTTATTTGTGG
 CTTTTCAATAGCAACAGGTGCAGCAGCAAGACTAGTGTCAGGATACGACAGCTATGGAAATATCTGTGGG
 CAGAAAAATACAAAGTTGGAAGCAATACAAACAGTGGCATGGACCACACCCAGCGGAAGTATGTATTCT
 TTTTGGATCCATGCAACCTGGACTTGATAAACCGGAAGATTAAGTCTGTAGCACTGTGTGTAGCAGCGTG
 TCCAAGGCAAGAAGTAAAGCTGAGTGTGTTGAGAAGTTGCAGAGATAAATGGTTCAGCCCTATGT
 AGCTACAACCTAAAGCCTTCTGAATACTACTACATCTCCAAATCTTCTGTTCTCTGCCCAAACCTACCAG
 TTCCAGCGAGTGCACCTATTCCATTCTCCATCGCTGTGCTCCTGTGAACATTTCTGCTATGCCAAGTT
 TGCAGAGGCCCTGATCACCTTTGTCAGTGACAATAGTGTCTTACACAGGCTGATTAGTGGAGTAATGACC
 AGCAAAGAAATATATTGGGACTTTGCTTGTATCACTAGTTCTATCCATGATTTTGATGGTGATAATCA
 GGTATATATCAAGAGTACTTGTGTGGATCTTAACGATTCTGGTCATACTCGGTTCACTTGGAGGCACAGG
 TGTAATATGGTGGCTGTATGCAAAGCAAAGAAGGTCTCCCAAAGAAACTGTTACTCCTGAGCAGCTTCAG
 ATAGCTGAAGACAATCTTCGGGCCCTCCTCATTATGCCATTTACAGTACAGTGTTCACAGTGTCTTAT
 TCCTGATAATGTTGGTTATGCGCAAACGTGTGCTCTTACCATCGCCTTGTCCACGTAGCTGGCAAAGGT
 CTTCACTTCCACTGCTAGTCTTCCAACCTTCTGGACTTCTTTGCTCTTGTCTTGTGTTTGGGTG
 TACTGGATCATGACACTCTTTTTCTTGGCACTACCGGCAGTCCGTTCAGAATGAGCAAGGCTTTGTGG
 AGTTCAAAATTTCTGGCCTCTGCAGTACATGTGGTGTACCATGTGGTGGCCTGATTTGGATCAGTGA
 ATTTATTCTAGCATGTCAGCAGATGACAGTGGCAGGAGCTGTGGTAACTACTATTTTACTAGGGATAAA
 AGGAATTTGCCATTTACACCTATTTTGGCATCAGTAAATCGCCTTATTGTTACCACCTAGGTACGGTGG
 CAAAAGGATCTTTCATTATCACATTAGTCAAATTCGCGAATGATCCTTATGTATATTCACAGTACAGT
 CAAAGGAAAGGAAATGCTTGTGCACGATGTGTGCTGAAATCTTGCATTTGTTGCCTTTGGTGTCTTGAA
 AAGTGCCTAAATATTTAAATCAGAATGCATACACAGCCACAGCTATCAACAGCACCAACTTCTGCACCT
 CAGCAAAGGATGCCTTTGTCATTCTGGTGGAGAATGCTTTGCGAGTGGCTACCATCAACACAGTAGGAGA
 TTTTATGTTATTCCTTGCAAGGTGCTGATAGTCTGCAGCACAGGTTTAGCTGGGATTATGCTGCTCAAC
 TACCAGCAGGACTACACAGTATGGGTGCTGCCTCTGATCATCGTCTGCCTCTTTGCTTTCTAGTCGCTC
 ATTGCTTCTGTCTATTTATGAAATGGTAGTGGATGTATTATTCTTGTGTTTTGCCATTGATACAAAATA
 CAATGATGGGAGCCCTGGCAGAGAATTCTATATGGATAAAGTGTGATGGAGTTTGTGGAAAACAGTAGG
 AAAGCAATGAAAGAAGCTGGTAAGGGAGGCGTCTGCTGATTCCAGAGAGCTAAAGCCGATGATTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239212 representing NM_001286730
 Red=Cloning site Green=Tags(s)

MGCCSSASSAAQSSKREWKPLEDRSCTDIPWLLLFILFCIGMGFICGFSIATGAAARLVSGYDSYGNICG
 QKNTKLEAIPNSGMDHTQRKYVFFLDPCNLDLNRKIKSVALCVAACPRQELKTLSDVQKFAEINGSALC
 SYNLPSEYTTSPKSSVLCPLPVPASAPIPFHRCAPVNI SCYAKFAEALITFVSDNSVLHRLISGVM
 SKEIILGLCLLSLVL SMILMVIIRYISRVLVWILTILVILGSLGGTGVLWWLYAKQRRSPKETVTPPEQLQ
 IAEDNLRALLIYASATVFTVILFLIMLVMRKRVALTIALFHVAGKVF IHLPLLVFQPFWTFALVLFWV
 YWIMTLLFLGTTGSPVQNEQGFVEFKISGPLQYMWWYHVVGLIWISEFILACQMTVAGAVVTTYFTRDK
 RNL PFTPILASVNLIRYHLGTVAKGSFIITLVKIPRMILMYIHSQKKGKENACARCVLKSCICCLWCLE
 KCLNYLNQAYTATAINSTNFCTSAKDAFVILVENALRVATINTVGFMLFLGKVLIVCSTGLAGIMLLN
 YQDYTVVWLPLIIVCLFAFLVAHCFLSIYEMVVDVFLCFAIDTKYNDGSPGREFYMDKVLMEFVENS
 R KAMKEAGKGGVADSRELKPMIK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001286730

ORF Size: 1956 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001286730.2](#)

RefSeq Size: 9650 bp

RefSeq ORF: 1959 bp

Locus ID: 23446

UniProt ID: [Q8WWI5](#)

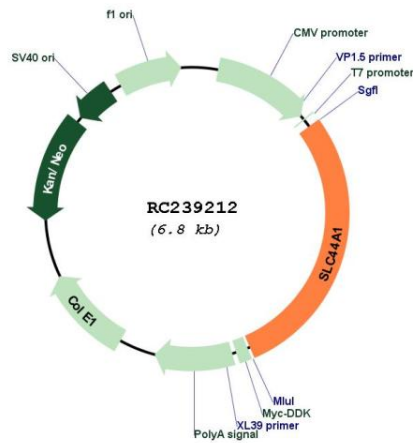
Cytogenetics: 9q31.1-q31.2

Protein Families: Transmembrane

MW: 73.5 kDa

Gene Summary: Choline transporter. May be involved in membrane synthesis and myelin production. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239212