

Product datasheet for **RG208237**

SLC44A1 (NM_080546) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A1 (NM_080546) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC44A1
Synonyms:	CD92; CDW92; CHTL1; CONATOC; CTL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG208237 representing NM_080546
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTGCTGCAGCTCCGCCTCTCCGCCGCGCAGAGCTCCAAACGAGAATGGAAGCCGCTGGAGGACC
GTAGCTGCACAGACATACCATGGCTGCTGCTTTCATCCTCTTCTGCATTGGGATGGGATTTATTTGTGG
CTTTTCAATAGCAACAGGTGCAGCAGCAAGACTAGTGTCAGGATACGACAGCTATGGAAATATCTGTGGG
CAGAAAAATACAAAGTTGGAAGCAATACCAAACAGTGGCATGGACCACACCCAGCGGAAGTATGTATTCT
TTTTGGATCCATGCAACCTGGACTTGATAAACCGGAAGATTAAGTCTGTAGCACTGTGTGTAGCAGCGTG
TCCAAGGCAAGAAGCTGAAAAGCTGAGTGATGTTGAGAAGTTGCAGAGATAAATGGTTCAGCCCTATGT
AGCTACAACCTAAAGCCTTCTGAATACACTACATCTCCAAATCTTCTGTTCTCTGCCCCAACTACCAG
TTCCAGCGAGTGCACCTATTCCATTCTCCATCGCTGTGCTCCTGTGAACATTTCTGCTATGCCAAGTT
TGCAGAGGCCCTGATCACCTTTGTCAGTGACAATAGTGTCTTACACAGGCTGATTAGTGGAGTAATGACC
AGCAAAGAAATATATTGGGACTTTGCTTGTATCACTAGTTCTATCCATTGATTTTGATGGTGATAATCA
GGTATATATCAAGAGTACTTGTGTGGATCTTAACGATTCTGGTCATACTCGGTTCACTTGGAGGCACAGG
TGTAATATGGTGGCTGTATGCAAAGCAAAGAAGGTCTCCCAAAGAACTGTTACTCCTGAGCAGCTTCAG
ATAGCTGAAGACAATCTTCGGGCCCTCCTCATTATGCCATTTACAGTACAGTGTTCACAGTGTCTTAT
TCCTGATAATGTTGGTTATGCGCAAACGTGTGCTCTTACCATCGCCTTGTCCACGTAGCTGGCAAAGGT
CTTCATCACTTGGCACTGCTAGTCTTCCAACCTTCTGGACTTCTTTGCTCTTGTCTTGTGTTTGGGTG
TACTGGATCATGACACTTCTTTTTCTTGGCACTACCGGCAGTCTGTTTCCAGAAATGAGCAAGGCTTTGTGG
AGTTCAAATTTCTGGCCTCTGCAGTACATGTGGTGTACCATGTGGTGGCCTGATTTGGATCAGTGA
ATTTATTTCTAGCATGTCAGCAGATGACAGTGGCAGGAGCTGTGGTAACTACTATTTTACTAGGGATAAA
AGGAATTTGCCATTTACACCTATTTTGGCATCAGTAAATCGCCTTATTCGTTACCACCTAGGTACGGTGG
CAAAGGATCTTTCATTATCACATTAGTCAAATTCGCGAATGATCCTTATGTATATTCACAGTACAGT
CAAAGGAAAGGAAATGCTTGTGCACGATGTGTGCTGAAATCTTGCATTTGTTGCCTTTGGTGTCTTGAA
AAGTGCCTAAATATTTAAATCAGAATGCATACACAGCCACAGCTATCAACAGCACCAACTTCTGCACCT
CAGCAAAGGATGCCTTTGTCATTCTGGTGGAGAATGCTTTGCGAGTGGCTACCATCAACACAGTAGGAGA
TTTTATGTTATTCCTTGGCAAGGTGCTGATAGTCTGCAGCACAGGTTAGCTGGGATTATGCTGCTCAAC
TACCAGCAGGACTACACAGTATGGGTGCTGCCTCTGATCATCGTCTGCCTCTTTGCTTTCTAGTCGCTC
ATTGCTTCTGTCTATTTATGAAATGGTAGTGGATGTATTATTCTTGTGTTTTGCCATTGATACAAAATA
CAATGATGGGAGCCCTGGCAGAGAATTCTATATGGATAAAGTGTGATGGAGTTTGTGGAAAACAGTAGG
AAAGCAATGAAAGAAGCTGGTAAGGGAGGCGTCTGCTGATTCCAGAGAGCTAAAGCCGATGGCTTCGGGAG
CAAGTTCTGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208237 representing NM_080546
 Red=Cloning site Green=Tags(s)

MGCCSSASSAAQSSKREWKPLEDRSCTDIPWLLLFILFCIGMGFICGFSIATGAAARLVSGYDSYGNICG
 QKNTKLEAIPNSGMDHTQRKYVFFLDPCNLDLNRKIKSVALCVAACPRQELKTLSDVQKFAEINGSALC
 SYNLPSEYTTSPKSSVLCPLPVPASAPIPFHRCAPVNI SCYAKFAEALITFVSDNSVLHRLISGVM
 SKEIILGLCLLSVL SMILMVIIRYISRVLVWILTILVILGSLGGTGVLWVLYAKQRRSPKETVTPQLQ
 IAEDNLRALLIYASATVFTVILFLIMLVMRKRVALTIALFHVAGKVF IHLPLLVFQPFWTFALVLFVW
 YWIMTLLFLGTTGSPVQNEQGFVEFKISGPLQYMWWYHVVGLIWI SEFILACQMTVAGAVVTTYFTRDK
 RNL PFTPILASVNLIRYHLGTVAKGSFIITLVKIPRMILMYIHSQ LKKGKENACARCVLKSCICLWCLE
 KCLNYLNQAYTATAINSTNFCTSAKDAFVILVENALRVATINTV GDFMLFLGKVLIVCSTGLAGIMLLN
 YQDYTVVWLPLIIVCLFAFLVAHCFLSIYEMVVDVLF LCF AIDTKYNDGSPGREFYMDKVLMEFVENS
 R KAMKEAGKGGVADSRELKPMASGASSA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080546

ORF Size: 1971 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_080546.5](#)

RefSeq Size: 4540 bp

RefSeq ORF: 1974 bp

Locus ID: 23446

UniProt ID: [Q8WWI5](#)

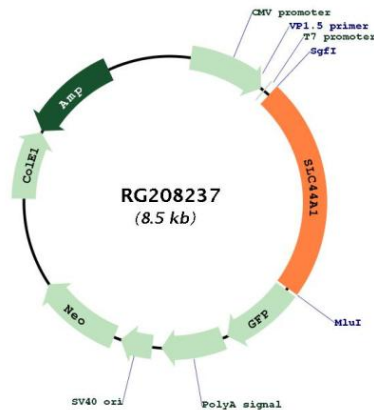
Cytogenetics: 9q31.1-q31.2

Domains: DUF580

Protein Families: Transmembrane

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

Product images:



Circular map for RG208237