

Product datasheet for **RG207181**

SLC44A2 (NM_020428) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A2 (NM_020428) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC44A2
Synonyms:	CTL2; PP1292
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207181 representing NM_020428
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGGACGAGCGGCCCACTACTACGGGAAACACGGAACGCCACAGAAGTATGATCCCACTTTCAAAG
 GACCCATTTACAATAGGGGCTGCACGGATATCATATGCTGTGTGTTCTGCTCCTGGCCATTGTGGGCTA
 CGTGGCTGTAGGCATCATAGCCTGGACTCATGGAGACCCTCGAAAAGTGATCTACCCCACTGATAGCCGG
 GGCGAGTCTGCGGGCAGAAGGGCACAAAAACGAGAACAACCCATCTGTTTTATTTCAACATTGTGA
 AATGTGCCAGCCCCCTGGTTCTGCTGGAATCCAATGTCCCACTCCCAGATCTGCGTGGAAAAATGCC
 CGACCGCTACCTCACGTACCTGAATGCTCGCAGCTCCCGGACTTTGAGTACTATAAGCAGTTCTGTGT
 CCTGGCTTCAAGAACAATAAAGGAGTGGCTGAGGTGCTTCGAGATGGTGACTGCCCTGCTGCTCATCC
 CCAGCAAACCTTGGCCCGGAGATGCTTCCCCGCTATCCACGCCACAAGGGTGCCTGATGGTGGGCAA
 TGAGACGACCTATGAGGATGGGCATGGCTCCCGAAAAACATCACAGACCTGGTGGAGGGGCCAAGAAA
 GCCAATGGAGTCCTAGAGGCGCGCAACTCGCCATGCGCATATTTGAAGATTACACCGTCTCTTGGTACT
 GGATTATCATAGGCCTGGTCATTGCCATGGCGATGAGCCTCCTGTTTCATCATCCTGCTTCGCTTCTGGC
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 AGCAGGGCTGTGGGATACGTATGTGCTCCTTGTCTACCCACTGGTACCTTCTTCTTGTGTGCCTCT
 GCATCGCCTACTGGGCCAGCACTGCTGTCTTCTGTCCACTTCCAACGAAGCGGTCTATAAGATCTTTGA
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 TTCTCTGCCTTTGGCCGGGCGCTCAGGTACCACACAGGCTCCCTGGCCTTTGGCGCGCTCATCCTGGCCA
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 CAAGTGCCTCATGACCTGTCTCAAATGCTGCTTCTGGTGCCTGGAGAAGTTCATCAAATTCCTTAATAGG
 AATGCCTACATCATGATTGCCATCTACGGCACCAATTTCTGCACCTCGGCCAGGAATGCCTTCTTCTGC
 TCATGAGAAACATCATCAGAGTGGCTGTCTGGATAAAGTTACTGACTTCTCTTCTGTTGGGCAACT
 TCTGATCGTTGGTAGTGTGGGGATCCTGGCTTCTTCTTCTTCACCCACCGTATCAGGATCGTGCAGGAT
 ACAGCACCAACCCCTCAATTACTGGGTTCTATACTGACGGTATCGTTGGCTCCTACTTGATTGCAC
 ACGGTTTCTTACGCGTCTATGGCATGTGTGGACACGCTGTTCTCTGCTTCTTGGAGGACCTGGAGAG
 GAATGACGGCTCGGCCGAGAGGCCTTACTTCATGTCTTCCACCCTCAAGAAACCCCTGAACAAGACCAAC
 AAGAAGGCAGCGGAGTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG207181 representing NM_020428
 Red=Cloning site Green=Tags(s)

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MGDERPHYYGKHGTPQKYDPTFKGPIYNRGCTDIICCVFLLLAIVGYVAVGIIAWTHGDPRKVIYPTDSR
GEFCGQKGTKNENKPYLFYFNIVKASPLVLEFQCPTPQICVEKCPDRYLTYLNARSSRDFEYKQFCV
PGFKNNKGVAEVLRDGDCPAVLIPSKPLARRCFPAIHAYKGVLMVGNETTYEDGHGSRKNIIDLVEGAKK
ANGVLEARQLAMRIFEDYTVSWYWIIGLVIAMMSLLFIILLRFLAGIMVWMIIMVILVLGYGIFHCY
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QCPNARCQFAFYGGESGYHRALLGLQIFNAFMFFWANFVLAGQVTLAGAFASYWALRKPDDLPAFPL
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NAYIMIAIYGTNFACTSARNAFFLLMRNIIRVAVLDKVTDFLLGKLLIVGSVILAFFFFTHRIRIVQD
TAPPLNYYWVPIILTVIVGSYLIAHGFFSVYGMCDTLFLCFLEDLERNDGSAERP YFMSSTLKKPLNKTN
KKA AES
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020428

ORF Size: 2118 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_020428.2](#), [NP_065161.2](#)

RefSeq Size: 3389 bp

RefSeq ORF: 2121 bp

Locus ID: 57153

UniProt ID: [Q8IWA5](#)

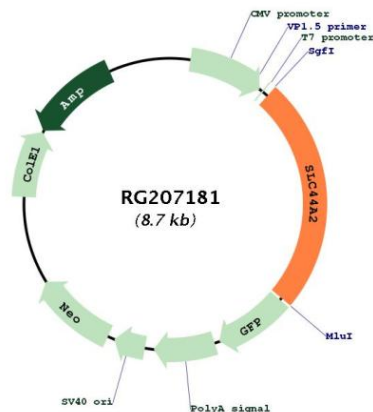
Cytogenetics: 19p13.2

Domains: DUF580

Protein Families: Transmembrane

Gene Summary: Isoform 1, but not isoform 3, exhibits some choline transporter activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207181