

Product datasheet for **RG238942**

SLC44A3 (NM_001301079) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A3 (NM_001301079) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC44A3
Synonyms:	CTL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238942 representing NM_001301079.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGCTACTCGGTGGTGGCTGGAGCCGCGGGAAGACTCCTCTTTGGCTATGACAGCTTTGGCAACATG
TGTGGCAAGAAGAACTCCCCCGTGAAGGGGCCCTCTTTCAGGGCAGGACATGACCCTAAAAAACAC
GTGTTCTTTATGAATTCCTGCAACTGGAAGTCAAAGGGTCTTCTGTGTGTTTATAGTTTGAATTCC
TTCAACTATACCCACAGTCCAAAAGCAGACTCACTGTGTCCCAGGCTACCAGTTCCTCCAAGCAAGTCA
TTTCCCTATTTAACCGATGTGTCCCTCAAACACCTGAGTGTACTCCCTATTTGCATCTGTTTTGATA
AATGATGTTGACACCCTCACCGAATTCTAAGTGAATCATGTCGGAAGAGATAACAATCCTTGGCTG
TGTATCCTCGCATTAGCCTTGTCTTTGGCCATGATGTTTACCTTCAGATTCATCACCACCCTTCTGGTT
CACATTTTCATTTATTGGTTATTTTGGGATTGTTGTTTGTCTGCGGTGTTTTATGGTGGCTGATTAT
GACTATACCAACGACCTCAGCATAGAATTGGACACAGAAAGGAAAATATGAAGTGCCTGCTGGGTTT
GCTATCGTATCCACAGGCATCACGGCAGTGTCTGCTCGTCTTGATTTTTGTCTCAGAAAGAGAATAAAA
TTGACAGTTGAGCTTTTCCAAATCACAATAAAGCCATCAGCAGTGTCCCTTCTGCTGTTCCAGCCA
CTGTGGACATTTGCCATCCTCATTTTTCTTCTGGGTCTCTGGGTGGCTGTGCTGCTGAGCCTGGGAAC
GCAGGAGCTGCCAGGTTATGGAAGCGGCCAAGTGAATATAAGCCCTTTTCGGGCATTCGGTACATG
TGGTTCGTACCATTTAATTGGCCTCATCTGGACTAGTGAATTCATCCTTGCCTGCCAGCAAATGACTATA
GCTGGGCGAGTGGTTACTTGTATTTCAACAGAAGTAAAAATGATCCTCCTGATCATCCCATCCTTTG
TCTCTCCTCATTTCTTCTTCTACCATCAAGGAACCGTGTGAAAGGGTCATTTTTAATCTCTGTGGTG
AGGATCCGAGAATCATTGTGATGTACATGCAAAACGCACTGAAAGAACAGCAGCATGGTGCATTTGCC
AGGTACCTGTTCCGATGCTGCTACTGTTTCTGGTGTCTTGACAAATACCTGCTCCATCTCAACCAG
AATGCATATACTACAACCTGCTATTAATGGGACAGATTTCTGTACATCAGCAAAAGATGCATTCAAAATC
TTGTCCAAGAAGTCAAGTCACTTTACATCTATTAAGTCTTTGGAGACTTCATAATTTTTCTAGGAAAG
GTGTTAGTGGTGTGTTTCACTGTTTTTGGAGGACTCATGGCTTTTAACTACAATCGGGCATTCCAGGTG
TGGGCAGTCCCTCTGTTATTGGTAGCTTTTTTGCCTACTTAGTAGCCATAGTTTTTTATCTGTGTTT
GAAACTGTGCTGGATGCACTTTTCTGTGTTTGTGTTGATCTGGAAACAAATGATGGATCGTCAGAA
AAGCCCTACTTTATGGATCAAGAATTTCTGAGTTTCGTAAGGAGCAACAAATTAACAATGCAAGG
GCACAGCAGGACAAGCACTCATTAAAGGAATGAGGAGGGAACAGAAGTCCAGGCCATTGTGAGA
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238942
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MGYSVVAAGRLLFGYDSFGNMGKNSPVEGAPLSGQDMTLKKHVFFMNSCNLEVKGSFLCVYSLNS
FNYTHSPKADSLCPRLPVPPSKSFPLFNRCVPQTPECYSLFASVLINDVDTLHRILSGIMSRDITLGL
CILALALSLAMFTFRFITLTLVHIFISLVILGLLFCVGLWWLYDYTNDLSIELDTERENMKCVLGF
AIVSTGITAVLLVLI FVLRKRIKLTVELFQITNKAISSAPFLLFQPLWTFAILIFFWVWVAVLLSLGT
AGAAQVMEGGQVEYKPLSGIRYMWSYHLIGLIWTSEFILACQMTIAGAVVTCYFNRSKNDPPDHPILS
SLSILFFYHGTVVKGSFLISVVRIPRIIVMYMQNALKEQQHGALSRYLFRCCYCCFWLCKYLLHLNQ
NAYTTTAINGTDFCTSAKDAFKILSKNSSHFTSINCFGDFIIFLGKVLVVCFTVFGLMAFNYNRAFQV
WAVPLLLVAFFAYLVAHSFLSVFETVLDALFLCFVDLETDGSSSEKPYFMDQEFLSFVKRSNKLNNAR
AQQDKHSLRNEEGTELQAIVR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPE
SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001301079

ORF Size: 1719 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).

RefSeq: [NM_001301079.2](#)

RefSeq Size: 2236 bp

RefSeq ORF: 1722 bp

Locus ID: 126969

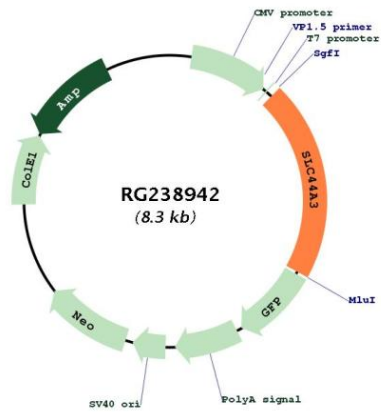
UniProt ID: [Q8N4M1](#)

Cytogenetics: 1p21.3

Protein Families: Transmembrane

MW: 64.9 kDa

Product images:



Circular map for RG238942