

Product datasheet for **RG232993**

SLC44A3 (NM_001258343) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A3 (NM_001258343) 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:

>RG232993 representing NM_001258343
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACTGCCTGGGCGCCGAGTACCTGGTGTATCATGGGCTACTCGGTGGTGGCTGGAGCCGCGGGAA
 GACTCCTCTTTGGCTATGACAGCTTTGGCAACATGTGTGGCAAGAAGAATCCCCGTGGAAGGGGCCCC
 TCTTTCAGGGCAGGACATGACCCATAAAAAACACGTGTTCTTTATGAATTCCTGCAACCTGGAAGTCAAA
 GGGTCTTCTGTGTGTTATAGTTTGAATTCCTTCAACTATACCCACAGTCCAAAAGCAGACTCACTGT
 GTCCCAGGCTACCAAGCAAGTCAATTCCTTATTTAACCGATGTGTCCCTCAAACACCTGA
 GTGCTACTCCCTATTTGCATCTGTTTTGATAAATGATGTTGACACCCTCCACCGAATTCTAAGTGGAAATC
 ATGTCGGGAAGAGATAAATCCTGGCCTGTGTATCCTCGCATTAGCCTTGCTTTGGCCATGATGTTTA
 CCTTCAGATTCATCACCACCTTCTGGTTCACATTTTCATTTTATTGGTTATTTGGGATTGTTGTTTGT
 CTGCGGTGTTTTATGGTGGCTGATTATGACTATACCAACGACCTCAGCATAGAATTGGACACAGAAAGG
 GAAATATGAAGTGCCTGCTGGGTTTGCATCGTATCCACAGGCATCACGGCAGTGTGCTCGTCTTGA
 TTTTTGTTCTCAGAAAGAGAATAAAATTGACAGTTGAGCTTTTCCAAATCACAAATAAAGCCATCAGCAG
 TGCTCCCTTCTGCTGTTCCAGCCACTGTGGACATTTGCCATCCTCATTTTCTTCTGGTCTCTGGGTG
 GCTGTGCTGTGAGCCTGGGAAGTGCAGGAGCTGCCAGGTTATGGAAGGCGGCCAAGTGGAAATATAAGC
 CCCTTCGGGCATTTCGGTACATGTGGTTCGATACATTTAATTGGCCTCATCTGGACTAGTGAATTCATCCT
 TGCGTGCCAGCAAATGACTATAGCTGGGCGAGTGGTACTTGTATTTCAACAGAAGTAAAAATGATCCT
 CCTGATCATCCCATCCTTCTGCTCTCTCCATTCTCTTCTTCTACCATCAAGGAACCGTTGTGAAAGGT
 CATTTTTAATCTCTGTGGTGGATTCCGAGAATCATTGTCATGACATGCAAAACGCATGAAAGAAC
 GCAGCATGGTGCATTGTCCAGGTACCTGTTCCGATGCTGCTACTGCTGTTTCTGGTGTCTTGACAAATAC
 CTGCTCCATCTCAACCAGAATGCATATACTACAACCTGCTATTAATGGGACAGATTCTGTACATCAGCAA
 AAGATGCATTCAAAATCTGTCCAAGAAGTCAAGTCACTTTACATCTATTAAGTCTTTGGAGACTTCAT
 AATTTTTCTAGGAAAGGTGTTAGTGGTGTGTTTCACTGTTTTTGGAGGACTCATGGCTTTTAACTACAAT
 CGGGCATTCCAGGTGTGGCAGTCCCTCTGTTATTGGTAGCTTTTTTGCCTACTTAGTAGCCCATAGTT
 TTTTATCTGTGTTGAAACTGTGCTGGATGCACATTTCTGTGTTTTGCTGTTGATCTGGAACAAATGA
 TGGATCGTCAGAAAAGCCCTACTTTATGGATCAAGAATTTCTGAGTTTCGTA AAAAGGAGCAACAAATTA
 AACAAATGCAAGGGCACAGCAGGACAAGCACTCATTAAAGGAATGAGGAGGGAACAGAACTCCAGGCCATTG
 TGAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG232993 representing NM_001258343
 Red=Cloning site Green=Tags(s)

MHCLGAEYLVFIMGYSVVAGAAGRLLFGYDSFGNMCCKKNSPVEGAPLSGQDMLKKHVFFMNSCNLEVK
 GSFLCVYSLNSFNTHSPKADSLCPRLPVPPSKSFPLFNRCVPQTPECYSLFASVLINDVDLHRILSGI
 MSGRDTILGLCILALALSLAMMFTFRFITLLVHIFISLVILGLLFVCGVLWWLYDYTNDLSIELDTER
 ENMKCVLGFIVSTGITAVLLVIFVLRKRIKLTVELFQITNKAISSAPFLLFQPLWTFAILIFFWLVW
 AVLLSLGTAGAAQVMEGGQVEYKPLSGIRYMWSYHLIGLIWTSEFILACQQMTIAGAVVTCYFNRSKNP
 PDHPILSSLSILFFYHQGTVVKGSFLISVVRIPRIIVMYMQNALKEQQHGALSRYLFRCCYCCFWCLDKY
 LLHLNQNAYTTTAINGTDFCTSADAFKILSKNSSHFTSINCFGDFIIFLGKVLVVCFTVFGGLMAFNYN
 RAFQVWAVPLLLVAFFAYLVAHSFSLVFETVLDALFLCFVDLETDNGSSEKPYFMDQEFLSFVKRSNKL
 NNARAQQDKHSLRNEEGTELQAIVR

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none"> 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_001258343.2
RefSeq Size:	2193 bp
RefSeq ORF:	1758 bp
Locus ID:	126969
UniProt ID:	Q8N4M1
Cytogenetics:	1p21.3
Protein Families:	Transmembrane