

Product datasheet for **RG233018**

SLC44A3 (NM_001258342) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A3 (NM_001258342) 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:

>RG233018 representing NM_001258342
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCACTGCCTGGGCGCCGAGTACCTGGTGTATCATGGGCTACTCGGTGGTGGCTGGAGCCGCGGGAA
 GACTCCTCTTTGGCTATGACAGCTTTGGCAACATGTGTGGCAAGAAGAAGTCCCCCGTGGAGGGGCCCC
 TCTTTCAGGGCAGGACATGACCCATAAAAAACACGTGTTCTTTATGAATTCCTGCAACTGGAAGTCAAA
 GGTACGCAGCTCAACCGCATGGCCCTCTGTGTATCCAACCTGCCCTGAAGAGCAGCTTGACTCCCTGGAAG
 AGGTCCAGTTCTTTGCAAAACACAGTGGTCTTCTGTGTGTTATAGTTTGAATTCCTCAACTATAC
 CCACAGTCCAAAAGCAGACTCACTGTGTCCAGGCTACCAGTTCCTCCAAGCAAGTCATTTCCCTTATTT
 AACCGATGTGCCCTCAAACACCTGAGTGTACTCCCTATTTGCATCTGTTTTGATAAATGATGTTGACA
 CCCTCCACCGAATCTAAGTGAATCATGTGCGGAAGAGATACAATCCTTGGCCTGTGTATCCTCGCATT
 AGCCTTGTCTTTGGCCATGATGTTTACCTTCAGATTCATCACCACCTTCTGGTTCACATTTTCATTCA
 TTGGTTATTTGGGATTGTTGTTTGTCTGCGGTGTTTTATGGTGGCTGTATTATGACTATACCAAGGACC
 TCAGCATAGAATTGGACACAGAAAGGAAAATATGAAGTGCCTGCTGGGTTTGCTATCGTATCCACAGG
 CATCACGGCAGTGTCTCGTCTTGATTTTTGTTCTCAGAAAGAGAATAAAATTGACAGTTGAGCTTTTC
 CAAATCACAAATAAAGCCATCAGCAGTGTCCCTTCTGCTGTTCCAGCCACTGTGGACATTTGCCATCC
 TCATTTTCTTCTGGGCTCTGGGTGGCTGTGCTGCTGAGCCTGGGAAGTGCAGGAGCTGCCAGGTTAT
 GGAAGGCGCCAAAGTGAATATAAGCCCCTTTCGGGCATTCGGTACATGTGGTCGTACCATTTAATTGGC
 CTCATCTGGACTAGTGAATTCATCTTGGCTGCCAGAAATGACTATAGCTGGGCGAGTGGTACTTGT
 ATTTCAACAGAAGTAAAAATGATCCTCTGATCATCCCATCCTTTCGTCTCTCCATTCTTTCTTCTA
 CCATCAAGGAACCGTTGTGAAAGGGTCATTTTTAATCTCTGTGGTGAGGATTCGAGAATCATTGTCATG
 TACATGCAAAACGCACTGAAAGAACAGCAGCATGGTGCATTGTCCAGGTACCTGTTCCGATGCTGCTACT
 GCTGTTTCTGGTGTCTTGACAAATACCTGCTCCATCTCAACCAGAATGCATATACTACAAGTCTATTAA
 TGGGACAGATTTCTGTACATCAGCAAAAGATGCATTCAAATCTGTCCAAGAACTCAAGTCACTTTACA
 TCTATTAAGTCTTTGGAGACTTATAATTTTTCTAGGAAAGGTGTTAGTGGTGTGTTTCACTGTTTTTG
 GAGGACTCATGGCTTTAACTACAATCGGGCATTCCAGGTGTGGGAGTCCCTCTGTTATTGGTAGCTTT
 TTTTGCCTACTTAGTAGCCATAGTTTTTATCTGTGTTGAAACTGTGCTGGATGCATTTTCTGTGT
 TTTGCTGTGATCTGAAACAAATGATGGATCGTCAGAAAAGCCCTACTTTATGGATCAAGAAATTTCTGA
 GTTTCGTA AAAAGGAGCAACAAATTAACAATGCAAGGGCACAGCAGGACAAGCACTCATTAAGGAATGA
 GGAGGGAACAGA ACTCCAGGCCATTGTGAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG233018 representing NM_001258342
 Red=Cloning site Green=Tags(s)

MHCLGAEYLVFIMGYSVVAGAAGRLLFGYDSFGNMGKKNPVEGAPLSGQDMLKKHVFFMNSCNLEVK
 GTQLNRMALCVSNCPPEQLDSLEEVQFFANTSGSFLCVYSLNSFNTHSPKADSLCPRLPVPPSKSFPLF
 NRCVPQTPCYSLFASVLINDVDTLHRILSGIMSGRDTILGLCILALALSLAMMFTFRFITLLVHIFIS
 LVILGLLFCVGVLWVLYDYTNDLSIELDTERENMKCVLGFIVSTGITAVLLVIFVLRKRIKLTVELF
 QITNKAISSAPFLFQPLWTFAILIFFVWLWVAVLLSLGTAGAAQVMEGGQVEYKPLSGIRYMWSYHLIG
 LIWTSEFILACQMTIAGAVVTCYFNRSKNDPPDHPILSSLSILFFYHQGTVVKGSFLISVVRIPRIIVM
 YMQNALKEQQHGALSRYLFRCCYCCFWCLDKYLLHLNQAYTTTAINGTDFCTSAKDAFKILSKNSSHFT
 SINCFGDFIIFLGKVLVVCFTVFGGLMAFNYNRAQVWAVPLLLVAFFAYLVAHSFVSFVETVLDALFLC
 FAVDLETNDGSSEKPYFMDQEFLSFVKRSNKLNNARAQQDKHSLRNEEGTELQAIVR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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_001258342.2
RefSeq Size:	2289 bp
RefSeq ORF:	1854 bp
Locus ID:	126969
UniProt ID:	Q8N4M1
Cytogenetics:	1p21.3
Protein Families:	Transmembrane