

Product datasheet for **RG233020**

SLC44A3 (NM_001258341) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A3 (NM_001258341) 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:

>RG233020 representing NM_001258341
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCACTGCCTGGGCGCCGAGTACCTGGTTTCTGCAGAAGGAGCCCTAGGCAAAGGGAGTGGCGACCCC
 AGATTTATAGGAAATGCACAGATACGGCATGGTTATTCCTGTTCTTTCTCTTTGGACTGGTTGGTGT
 TATCATGGGCTACTCGGTGGTGGCTGGAGCCGCGGAAGACTCCTCTTTGGCTATGACAGCTTTGGCAAC
 ATGTGTGGCAAGAAGAACTCCCCGTGGAAGGGGCCCTCTTCAGGGCAGGACATGACCCTAAAAAAC
 ACGTGTCTTTATGAATTCCTGCAACCTGGAAGTCAAAGGGTCTTCCTGTGTGTTATAGTTTGAATTC
 CTTCAACTATACCCACAGTCCAAAAGCAGACTCACTGTGTCCCAGGCTACCAGTTCCTCCAAGCAAGTCA
 TTTCCCTATTTAACCGATGTGCCCTCAAACACCTGAGTGTACTCCCTATTTGCATCTGTTTTGATAA
 ATGATGTTGACACCTCCACCGAATTCTAAGTGAATCATGTCGGGAAGAGATACAATCCTTGGCCTGTG
 TATCCTCGCATTAGCCTTGTCTTTGGCCATGATGTTTACCTTCAGATTCATCACCACCCTCTGGTTCAC
 ATTTTCATTTTATTGGTTATTTTGGGATTGTTGTTTGTCTGCGGTGTTTTATGGTGGCTGTATTGACT
 ATACCAACGACCTCAGCATAGAATTGGACACAGAAAGGGAAAATATGAAGTGCCTGCTGGGTTTGTCTAT
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 GTTGAGCTTTTCCAAATCACAAATAAAGCCATCAGCAGTGTCCCTTCTGCTGTCCAGCCACTGTGGA
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 CACTTTACATCTATTAAGTCTTTGGAGACTTCATAATTTTTCTAGGAAAGGTGTAGTGGTGTGTTTCA
 CTGTTTTTGGAGGACTCATGGCTTTTAACTACAATCGGGCATTCCAGGTGTGGGCAGTCCCTCTGTTATT
 GGTAGCTTTTTTGCCTACTTAGTAGCCATAGTTTTTTATCTGTGTTTGAAGTGTGCTGGATGCACTT
 TTCTGTGTTTTGCTGTTGATCTGGAACAAATGATGGATCGTCAGAAAAGCCCTACTTTATGGATCAAG
 AATTTCTGAGTTTCGTAAAAGGAGCAACAAATTAACAATGCAAGGGCACAGCAGGACAAGCACTCATT
 AAGGAATGAGGAGGGAACAGAACTCCAGGCCATTGTGAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG233020 representing NM_001258341
 Red=Cloning site Green=Tags(s)

MHCLGAEYLVSAEGAPRQREWPRQIYRKCTDTAWLFLFFLFWTGLVFIGYSVVAGAAGRLLFGYDSFGN
 MCGKKNPVEGAPLSGQDMTLKKHVFMMNSCNLEVKGSFLCVYSLNSFNTHSPKADSLCPRLPVPPSKS
 FPLFNRCVPQTPECYSLFASVLINDVDTLHRILSGIMSGRDTILGLCILALALSLAMMFTFRFITLLVH
 IFISLVILGLLFVCGVLWWLYDYDNDLSIELDTERENMKCVLGFVAVSTGITAVLLVLFVLRKRIKLT
 VELFQITNKAISSAPFLFQPLWTFAILIFFWVWVAVLLSLGTAGAAQVMEGGQVEYKPLSGIRYMWSY
 HLIIGLIWTSEFILACQQMTIAGAVVTCYFNRSKNDPPDHPILSSLSILFFYHQGTVVKGSFLISVVRIPR
 IIVMYMQNALKEQHGLSRYLFRCCYCCFWCLDKYLLHNLNQNAYTTTAINGTDFCTSAKDAFKILSKNSS
 HFTSINCFGDFIIFLGKVLVVCFTVFGGLMAFNYNRAFQVWAVPLLLVAFFAYLVAHSFLSVFETVLDAL
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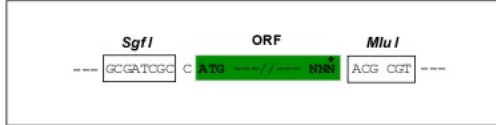
TRTRPLE – GFP Tag – V

Restriction Sites:

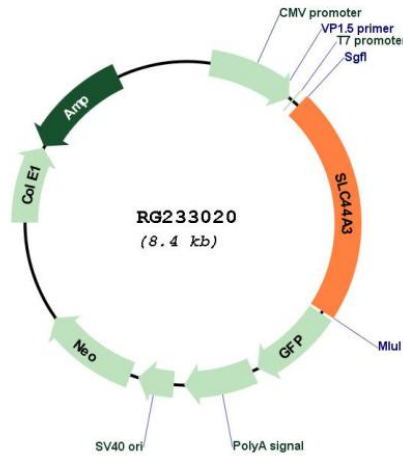
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001258341

ORF Size: 1860 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:	<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_001258341.2
RefSeq Size:	2298 bp
RefSeq ORF:	1863 bp
Locus ID:	126969
UniProt ID:	Q8N4M1
Cytogenetics:	1p21.3
Protein Families:	Transmembrane