

## Product datasheet for **RG233057**

### SLC44A3 (NM\_001258340) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A3 (NM_001258340) 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:**

>RG233057 representing NM\_001258340  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCACTGCCTGGGCGCCGAGTACCTGGTTTCTGCAGAAGGAGCCCTAGGCAAAGGGAGTGGCGACCCC  
 AGATTTATAGGAAATGCACAGATACGGCATGGTTATTCCTGTTCTTTCTCTTTGGACTGGTTGGTGTT  
 TATCATGGGCTACTCGGTGGTGGCTGGAGCCGCGGAAGACTCCTCTTTGGCTATGACAGCTTTGGCAAC  
 ATGTGTGGCAAGAAGAACTCCCCGTGGAAGGGGCCCTCTTTCAGGGCAGGACATGACCCTAAAAAAC  
 ACGTGTCTTTATGAATTCCTGCAACCTGGAAGTCAAAGGTACGCAGCTCAACCGCATGGCCCTCTGTGT  
 ATCCAACCTGCCCTGAAGAGCAGCTTGACTCCCTGGAAGAGGTCCAGTCTTTGCAAAACACAGTGGGTCC  
 TTCTGTGTGTTTATAGTTTGAATTCCTCAACTATACCCACAGTCCAAAAGCAGACTCACTGTGTCCCA  
 GGCTACCACTTCCCAAGCAAGTCATTTCCCTTATTTAACCGATGTGTCCCTCAAACACCTGAGTGCTA  
 CTCCTATTTGCATCTGTTTGAATAATGATGTTGACACCCTCCACCGAATTCTAAGTGGAAATCATGTGCG  
 GGAAGAGATACAATCCTTGGCCTGTGTATCCTCGCATTAGCCTTGTCTTTGGCCATGATGTTACCTTCA  
 GATTCATCACCACCCTTCTGGTTCACATTTTCATTTTCATTTGGTTATTTGGGATTGTTGTTTGTCTGCGG  
 TGTTTTATGGTGGCTGTATTATGACTATACCAACGACCTCAGCATAGAATTGGACACAGAAAGGGAAAAAT  
 ATGAAGTGCCTGCTGGGTTTGTATCGTATCCACAGGCATCACGGCAGTGTGCTGCTCTTGTATTTTGT  
 TTCTCAGAAAGAGAATAAAATGACAGTTGAGCTTTTCCAATCACAATAAAGCCATCAGCAGTGTCTCC  
 CTTCTGCTGTTCCAGCCACTGTGGACATTTGCCATCCTCATTTTCTTCTGGTCTCTGGTGGCTGTG  
 CTGCTGAGCCTGGAACTGCAGGAGCTGCCAGGTTATGGAAGGGCCCAAGTGGAAATAAAGCCCTTT  
 CGGGCATTCCGGTACATGTGGTCTGACATTTAATTGGCCTCATCTGGACTAGTGAATTCATCCTTGCCTG  
 CCAGCAAATGACTATAGCTGGGGCAGTGGTTACTTGTATTTCACAGAAGTAAAAATGATCCTCCTGAT  
 CATCCCATCCTTTCGTCTCTCTCATTCTCTTCTTCTACCATCAAGGAACCGTTGTGAAAGGTCATTTT  
 TAATCTGTGGTGGGATTCCGAGAATCATTGTCATGTACATGCAAAACGCACTGAAAGAACAGCATGG  
 TGCATTGTCCAGGTACCTGTTCCGATGCTGCTACTGCTGTTTCTGGTGTCTTGACAAATACCTGCTCCAT  
 CTCACCAGAATGCATATACTACAACCTGCTAATAATGGGACAGATTTCTGTACATCAGCAAAAGATGCAT  
 TCAAAATCTGTCCAAGAAGCAAGTCACTTTACATCTAATACTGCTTTGGAGACTTCATAATTTTTCT  
 AGGAAAGGTGTTAGTGGTGTGTTTCACTGTTTTGGAGGACTCATGGCTTTTAACTACAATCGGGCATT  
 CAGGTGTGGGAGTCCCTCTGTTATTGGTGTGTTTTGCTACTTAGTAGCCATAGTTTTTTATCTG  
 TGTTTGAAGTGTGCTGGATGCACTTTTCTGTGTTTTGCTGTTGATCTGGAAACAAATGATGGATCGTC  
 AGAAAAGCCCTACTTTATGGATCAAGAATTTCTGAGTTTCGTAAGGAGGCAACAAATTAACAATGCA  
 AGGGCACAGCAGGACAAGCACTCATAAGGAATGAGGAGGGAACAGAAGTCCAGGCCATTGTGAGA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG233057 representing NM\_001258340  
 Red=Cloning site Green=Tags(s)

MHCLGAEYLVSAEGAPRQREWPRQIYRKTDTAWLFLFFLFWTGLVFIGYSVVAGAAGRLLFGYDSFGN  
 MCGKKNPVEGAPLSGQDMTLKKHVFFMNSCNLEVKGTQLNRMALCVSNCPPEQLDSLEEVQFFANTSGS  
 FLCVYSLNSFNYPKADSLCPRLPVPPSKSFPLFNRCVPQTPECYSLFASVLINDVDTLHRILSGIMS  
 GRDITLGLCILALALSLAMMFTFRFITLTVHIFISLVILGLLFVCGVLLWLYDYTNDLSIELDTEREN  
 MKCVLGFIVSTGITAVLLVLFVLRKRIKLTVELFQITNKAISSAPFLFQPLWTFAILIFFWVWVAV  
 LLSLGTAGAAQVMEGGQVEYKPLSGIRYMWSYHLIGLIWTFSEILACQMTIAGAVVTCYFNRSKNPPD  
 HPILSSLSILFFYHQGTVVKGSFLISVVRIPRIIVMYMQNALKEQHGLSRYLFRCCYCCFWCLDKYLLH  
 LNQNAYTTAINGTDFCTSAKDAFKILSKNSSHFTSINCFGDFIIFLGKVLVVCFTVFGGLMAFNYNRAF  
 QVWAVPLLLVAFFAYLVAHSFLSVFETVLDALFLCFVDLETNDGSSEKPYFMDQEFLSFVKRSNKLNNA  
 RAQQDKHSLRNEEGTELQAIVR

**TRTRPLE** – GFP Tag – V

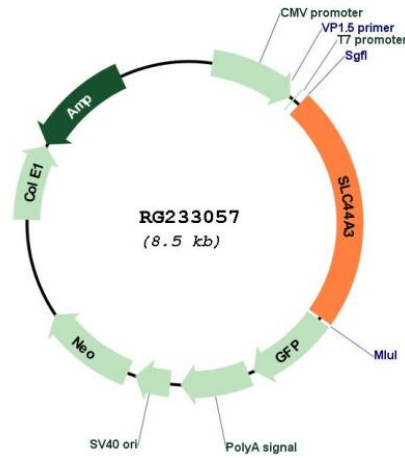
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_001258340

ORF Size: 1956 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001258340.2</a>
<b>RefSeq Size:</b>	2394 bp
<b>RefSeq ORF:</b>	1959 bp
<b>Locus ID:</b>	126969
<b>UniProt ID:</b>	<a href="#">Q8N4M1</a>
<b>Cytogenetics:</b>	1p21.3
<b>Protein Families:</b>	Transmembrane