

Product datasheet for **RG200808**

SLC35A4 (NM_080670) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35A4 (NM_080670) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC35A4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200808 representing NM_080670 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTGTAGAGGATGGGGGTATGCCAGGCCTGGGCCGTCCCAGGCAGGCCCGCTGGACCCTGATGCTAC
 TCCTATCCACTGCCATGTACGGTGCCCATGCCCATTTGCTGGCACTGTGCCATGTGGACGGCCGAGTGCC
 CTTCCGGCCCTCCTCAGCCGTGCTGCTGACTGAGCTGACCAAGCTACTGTTATGCGCCTTCTCCCTTCTG
 GTAGGCTGGCAAGCATGGCCCCAGGGGCCCCACCCTGGCGCCAGGCTGCTCCCTTCGCACTATCAGCCC
 TGCTCTATGGCGCTAACAACAACCTGGTGATCTATCTTCAGCGTTACATGGACCCAGCACCTACCAGGT
 GCTGAGTAATCTCAAGATTGGAAGCACAGCTGTGCTCTACTGCCTCTGCCTCCGGCACCGCCTCTCTGTG
 CGTCAGGGGTTAGCGCTGCTGCTGCTGATGGCTGCGGGAGCCTGCTATGCAGCAGGGGGCCTTCAAGTTC
 CCGGGAACACCCTTCCAGTCCCCCTCCAGCAGCTGCTGCCAGCCCCATGCCCTGCATATCACTCCGCT
 AGGCCTGCTGCTCCTCATTCTGTACTGCCTCATCTCAGGCTTGTGTCAGTGACACAGAGCTGCTCATG
 AAGCGACAGCGGCTGCCCTGGCACTTCAGAACCTCTTCTCTACACTTTTGGTGTGCTTCTGAATCTAG
 GTCTGCATGCTGGCGCGGCTCTGGCCAGGCCTCCTGGAAGTTTCTCAGGATGGGCAGCACTCGTGGT
 GCTGAGCCAGGCACTAAATGGACTGCTCATGTCTGCTGTCATGAAGCATGGCAGCAGCATCACACGCCTC
 TTTGTGGTGTCTGCTCGCTGGTGGTCAACGCCGTGCTCTCAGCAGTCTGCTACGGCTGCAGCTCACAG
 CCGCCTTCTTCTGGCCACATTGCTCATTGGCCTGGCCATGCGCCTGTACTATGGCAGCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG200808 representing NM_080670
 Red=Cloning site Green=Tags(s)

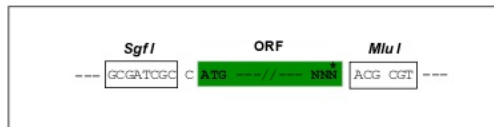
MSVEDGGMPGLGRPRQARWTLMLLLSTAMYGAHAPLLALCHVDGRVPFRPSSAVLLTELTKLLLCASFLL
 VGWQAWPQGPPWRQAAPFALSALLYGANNLVIYLQRYMDPSTYQVLSNLKIGSTAVLYCLCLRHRLSV
 RQGLALLLLMAAGACYAAGGLQVPGNTLPSPPPAAAASPMPLHITPLGLLLLILYCLISGLSSVYTELLM
 KRQRLPLALQNLFLYTFGVLLNLGLHAGGSGPGLLEGFSGWAALVVLSQLNGLLMSAVMKHGSSITRL
 FVYSCSLVYNAVLSAVLLRLQLTAAFFLATLLIGLAMRLYYGSR

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGGCGGCGGAATTCGTGACTGGATCCGGTACCGAGAGATCTGCCGCCGATCGCCGGCGCGCCAGATCT
 HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -
 PmeI FseI
 --- GAA GAA AGA GTT TAA ACGGCCGGCCGGAGCT
 - - E E R V Stop

ACCN: NM_080670

ORF Size: 972 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_080670.3](#)

RefSeq Size: 2676 bp

RefSeq ORF: 975 bp

Locus ID: 113829

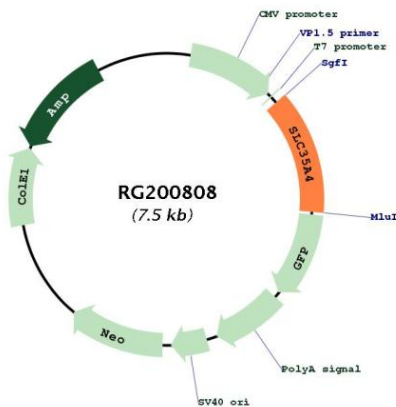
UniProt ID: [Q96G79](#)

Cytogenetics: 5q31.3

Domains: Nuc_sug_transp

Protein Families: Transmembrane

Product images:



Circular map for RG200808