

Product datasheet for **RG218185**

SLC35G2 (NM_001097600) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC35G2
Synonyms:	TMEM22
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218185 representing NM_001097600
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGATACTTCTCCCTCCAGAAAATATCCAGTTAAAAACGGGTGAAAATACATCCCAACACAGTGATGG
TGAAATATACTTCTCATTATCCCCAGCCTGGCGATGATGGATATGAAGAAATCAATGAAGGCTATGGAAA
TTTTATGGAGGAAAATCCAAAGAAAGGTCTGCTGAGTGAAATGAAAAAAGGGAGAGCTTTCTTTGGA
ACCATGGATACCTACCTCCACCAACAGAAGACCAATGATCAATGAGATTGGACAATCCAGAGCTTTG
CAGAAAAAATCATTTTTCAATCCCGAAAAATGTGGATAGTGCTGTTTGGATCTGCTTTGGCTCATGGATG
TGATGCTCTTATCACTAGGCTTGTCTGATCGGTCTAAAGTTCCATCTCTAGAACTGATTTTTATCCGT
TCTGTTTTTCAGGTCTTATCTGTGTAGTTGTGTGTTACTATCAGGAGGCCCTTTGGACCCAGTGGAT
ACAGATTACGACTCTTCTTTATGGTGTATGCAATGTCATTTCTATCACTTGTGCTTATACATCATTTTC
AATAGTTCTCCAGCAATGGGACCACTATGTGGAGAGCCACAACCTACAGTCTTCAGTGCCATTTTGGCT
TTTTTACTCGTAGATGAGAAAATGGCTTATGTTGACATGGCTACAGTTGTTTGCAGCATCTTAGGTGTTT
GTCTTGTATGATCCCAACATTGTTGATGAAGACAATCTTTGTTAAATGCCTGGAAAGAAGCCTTTGG
GTACACCATGACTGTGATGGCTGGACTGACCACTGCTCTCAATGATAGTATACAGATCCATCAAGGAG
AAGATCAGCATGTGGACTGCACTGTTTACTTTTGGTTGGACTGGGACAATTTGGGGAATATCTACTATGT
TTATTCTTCAAGAACCCATCATCCCATAGATGGAGAAACCTGGAGTTATCTATTGCTATATGTGTCTG
TTCTACTGCAGCATTCTTAGGAGTTTATTATGCCTTGGACAAATCCATCCAGCTTTGGTTAGCACAGTA
CAACATTTGGAGATTGTGGTAGCTATGGTCTTGACGCTTCTCGTGTGCACATATTTCTAGCATCTATG
ATGTTTTTGGAGGGTAATCATTATGATTAGTGTGTTTGTCTTGTGCTATAAACTTTACTGGAGGAA
TTTAAGAAAGCAGGACTACCAGGAAATACTAGACTCTCCCATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



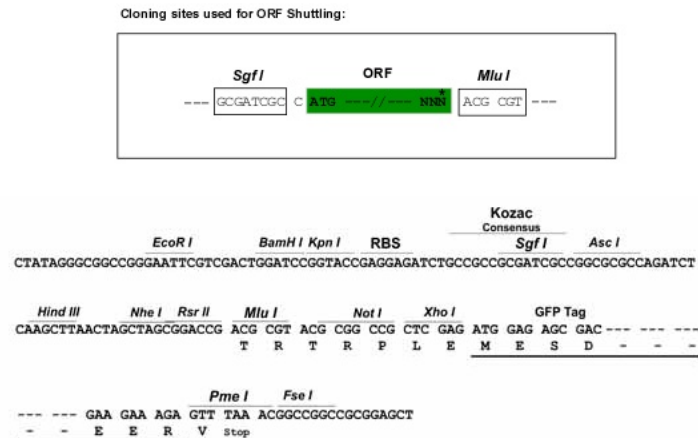
Protein Sequence: >RG218185 representing NM_001097600
 Red=Cloning site Green=Tags(s)

MDTSPSRKYPVKRKVIHPNTVMVKYTSHPYQPGDDGYEEINEGYGNFMEENPKKGLLSEMKKKGRAFFG
 TMDTLPPPTEDPMINEIGQFQSFQAEKNIFQSRKMWIVLFGSALAHGCVLITRLVSDRSKVPSELEIFIR
 SVFQVLSVLVVCYQEAEPFGPSGYRLRLFFYGVCNVISITCAYTSFSIVPPSNGTTMWRATTTVFSAILA
 FLLVDEKMAYVDMATVVCISILGVCLVMIPNIVDEDNSLLNAWKEAFGYTMTVMAGLTTALSMIVYRSIKE
 KISMWTALFTFGWTGTIWGISTMFIHQEPIIPLDGETWSYLAICVCSTAAFLGVYYALDKFHPALVSTV
 QHLEIVVAMVLQLLVLFHIFPSIYDVFGGVIIMISVFLVLAGYKLYWRNLKQDYQEILDSPK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001097600

ORF Size: 1236 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_001097600.1](#), [NP_001091069.1](#)

RefSeq Size: 1665 bp

RefSeq ORF: 1239 bp

Locus ID: 80723

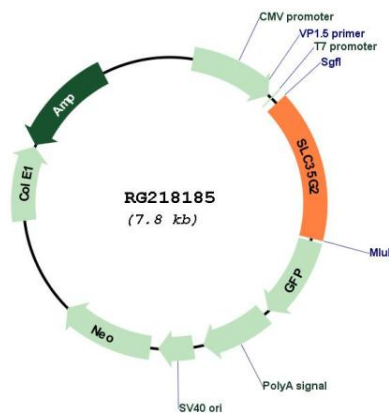
UniProt ID: [Q8TBE7](#)

Cytogenetics: 3q22.3

Protein Families: Transmembrane

Gene Summary: May play a role in cell proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218185