

Product datasheet for **RG205536**

SLC35G2 (NM_025246) 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: >RG205536 representing NM_025246
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATACTTCTCCCTCCAGAAAATATCCAGTTAAAAACGGGTGAAAATACATCCCAACACAGTGATGG
TGAAATATACTTCTCATTATCCCCAGCCTGGCGATGATGGATATGAAGAAATCAATGAAGGCTATGGGAA
TTTTATGGAGGAAAATCCAAAGAAAGGTCTGCTGAGTGAAATGAAAAAAGGGAGAGCTTTCTTTGGA
ACCATGGATACCTACCTCCACCAACAGAAGACCAATGATCAATGAGATTGGACAATCCAGAGCTTTG
CAGAAAAAATCATTTTTCAATCCCGAAAAATGTGGATAGTGCTGTTTGGATCTGCTTTGGCTCATGGATG
TGATGCTCTTATCACTAGGCTTGTCTGATCGGTCTAAAGTTCCATCTCTAGAACTGATTTTTATCCGT
TCTGTTTTTCAGGTCTTATCTGTGTAGTTGTGTGTTACTATGAGGAGGCCCTTTGGACCCAGTGGAT
ACAGATTACGACTCTTCTTTATGGTGTATGCAATGTCATTTCTATCACTTGTGCTTATACATCATTTTC
AATAGTTCTCCAGCAATGGGACCACTATGTGGAGAGCCACAACCTACAGTCTTCAGTGCCATTTTGGCT
TTTTTACTCGTAGATGAGAAAATGGCTTATGTTGACATGGCTACAGTTGTTTGCAGCATCTTAGGTGTTT
GTCTTGTATGATCCCAACATTGTTGATGAAGACAATCTTTGTTAAATGCCTGGAAAGAAGCCTTTGG
GTACACCATGACTGTGATGGCTGGACTGACCACTGCTCTCAATGATAGTATACAGATCCATCAAGGAG
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TTATTCTTCAAGAACCATCATCCATTAGATGGAGAAACCTGGAGTTATCTATTGCTATATGTGTCTG
TTCTACTGCAGCATTCTTAGGAGTTTATTATGCCTTGGACAAATCCATCCAGCCTTGGTTAGCACAGTA
CAACATTTGGAGATTGTGGTAGCTATGGTCTTGACGCTTCTCGTGTGCACATATTTCTAGCATCTATG
ATGTTTTTGGAGGGTAATCATTATGATTAGTGTGTTTGTCTTGTCTGCTATAAACTTTACTGGAGGAA
TTTAAGAAGGCAGGACTACCAGGAAATACTAGACTCTCCCATTAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



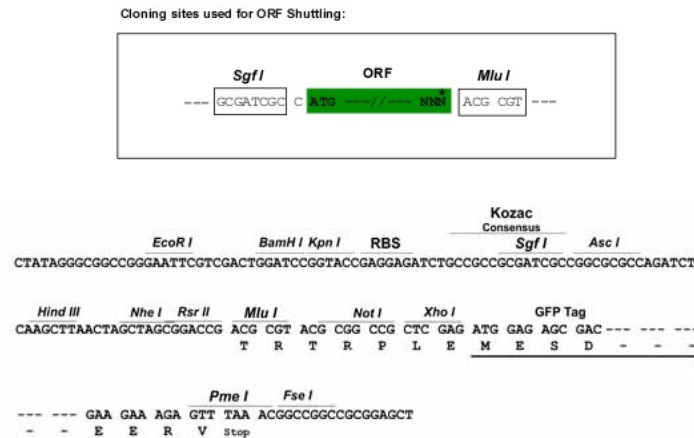
Protein Sequence: >RG205536 representing NM_025246
Red=Cloning site Green=Tags(s)

MDTSPSRKYPVKRKVIHPNTVMVKYTSHPYQPGDDGYEEINEGYGNFMEENPKKGLLSEMKKKGRAFFG
TMDTLPPPTEDPMINEIGQFQSFAEKNIFQSRKMWIVLFGSALAHGCVLITRLVSDRSKVPSELEIFIR
SVFQVLSVLVVCYEEAPFGPSGYRLRLFFYGVCNVISITCAYTSFSIVPPSNGTTMWRATTTVFSAILA
FLLVDEKMAYVDMATVVCISILGVCLVMIPNIVDEDNSLLNAWKEAFGYTMVMAGLTTALSMIVYRSIKE
KISMWTALFTFGWTGTIWGISTMFIHQEPIIPLDGETWSYLAICVCSTAAFLGVYYALDKFHPALVSTV
QHLIIVVAMVLQLLVLHIFPSIYDVFGGVIIMISVFLAGYKLYWRNLRQDYQEILDSPK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025246

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_025246.1](#), [NP_079522.1](#)

RefSeq Size: 1958 bp

RefSeq ORF: 1239 bp

Locus ID: 80723

UniProt ID: [Q8TBE7](#)

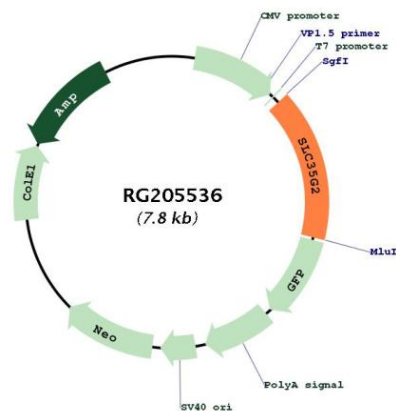
Cytogenetics: 3q22.3

Domains: DUF6

Protein Families: Transmembrane

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

Product images:



Circular map for RG205536