

Product datasheet for **MG214449**

Slc35g2 (NM_001101483) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Slc35g2
Synonyms:	Gm519; Tmem22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214449 representing NM_001101483
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATACTTCTCCATCCAAAAATATCCAATTA AAAAACGGGTGAAAATCCATCCCAACACAGTCATGG
TGAAATATACTCTCATTATCCCAACCTGGGGATGATGGGTATGAAGAAATCAACGAAGACTATGGTAG
GTTTATGGAAGAAAACCAAAGAAAAGTCTGCTGAGTGAAATGAGAAGAAAAGGAAGAACTCTGTTTGA
ACCATGGACACTCAGCCTTCGTCGTCAGAAGACCCAAGGCCAGTGGCATGGGACAGTCCAGAGCTTTG
CAGAAAAAACATTTTTTCAGTCCCGAAAAATGTGGCTAGTGCTGTTTGGGCTGCTTTGGCGCACGGCTG
TGTGGCTCTCATCAGGAGCTCATTCCGACCGTTCTAAAGTTCCATCCTTAGAACTGATTTTTATCCGG
TCTGTCTTACAGGTCTTGTCCGTGATGTTGTGTGTTATTACCAGGAAGCGCCCTTTGGGCCAGCGGAT
ACAGATTACGACTTTTCTTTATGGAGTATGCAATGTGATTCCATCACCTGTGCTTATACCTCCTTTTC
AATAGTTCCCTCCGACAAATGGGACCACGATGTGGAGAGCCACCACCACCGTTTTTCAGTGCCATTTTAGCC
TTTCTACTTGTAGATGAGAAAATGGCGTATGTTGACATGGCTACAGTGGTTTGCAGCATCTTAGGTGTT
GTCTTGTGATGATCCCAACATTGCCGATGAGGACAATTCTCTGTTAAACGCCTGGAAGGAAGCCTTCGG
AAGATCAGCATGTGGACCGCACTGTTTACCTTCGGTTGGACTGGAACAATCTGGGGATTATCTACTATGT
TTGTCCTTCAAGAGCCCATCATTCTTTAGACGGAGCAACATGGAGCTATCTCATTGCTATATGCCTCTG
TTCTACTGCAGCGTTCTTAGGTGTTTATTACGCCTTGACAAAATCCACCAGCTTTGGTTAGCACAGTA
CAACATTTGGAGATTGTGGTAGCTATGGTCTTACAGCTTCTAGTGTACACATATTTCTAGTGTTTATG
ATGTTTTTGGAGGGGTGATCATTATGATTAGTGTATTTGTTCTTGCTGGCTATAAACTTTACTGGAGGAA
TGTAAGGAGGGAAGATTATCAGGAAATACTGGACTCTCCCATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214449 representing NM_001101483
 Red=Cloning site Green=Tags(s)

MDTSPSKYPIKKRVKIHPNTVMVKYTSHPYQPGDDGYEEINEDYGRFMEENPKKSLSEMRKGRITLFG
 TMDTQPSSSEDPASGMGFQSFQFAEKNIFQSRKMVLVFGSALAHGCVLITRLISDRSKVPSLELIFIR
 SVLQVLSVIVVCYQEAFFGPGSGYRLRLLFFYGVCNVISITCAYSFISIVPPSNGTTMWRATTTVFSAILA
 FLLVDEKMAVYDMATVVCISILGVCLVMIPNIAEDNSLLNAWKEAFGYTMTVMAGLTTALSMIVYSIRE
 KISMWTALFTFGWTGTIWGLSTMFVLQEPILPLDGATWSYLAICLCSTAAFLGVYYALDKFHPALVSTV
 QHLEIVVAMVLQLLVLHIFPSVYDVFVGGVIMISVFLVLAGYKLYWRNVRREDYQEILDSPK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001101483

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_001101483.1](#), [NP_001094953.1](#)

RefSeq Size: 1596 bp

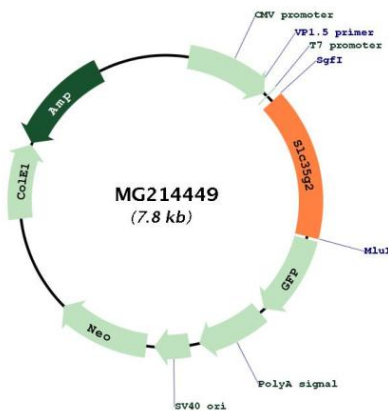
RefSeq ORF: 1239 bp

Locus ID: 245020

UniProt ID: [D3YVE8](#)

Cytogenetics: 9 E3.3

Product images:



Circular map for MG214449