

## Product datasheet for **MG215476**

### Slc35g1 (NM\_175507) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Slc35g1
Synonyms:	AA590464; D330039I19Rik; Tmem20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG215476 representing NM\_175507  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGGCCCCGGAGAGCGCGGGAGCTTGCAGCCGAGGCGGTGGAGCTGCGCGAGCCGAGCTGCAGC  
TCGCGGACCCGGCTCCCCGGCGAGGAGCACGTGGACGTCGAGGCGGAGGGCGCCCTGGCCGCGGCAG  
GTGCTGGCCGTGTGGAGCCTGGGCTGCGGCTCGCGTGGGAGCCGAAGCCAAGAAGAACCCCTGC  
CCCGACTTGGCTTGTTTACACGGTGTGTCTGCCTTCCTTTCTCAGTGGCCTCTTTATTTGTTAAAA  
AAGTGCAAGGCGTCCATGCTGTAGAGATCAGTGCCTTCGATGCGTGGTCCAAATGCTAGTTATTATCCC  
TTGCTTAATATACAGAAAAACGGGTTTCATAGGTCCTCAAGGCCAGCGACTCTTCTCTTCTCAGAGGG  
GTCTTTGGTTCCAGTGCCATGATCCTCATGTATTATGCGTTCCAGACAACGTCCTCGCAGACGCCACAG  
TTATTGCGTTTAGCTGTCCCGTGTTCAGTCCATATTTGCTTGGATATTTCTCAAGGAAAAGTATAGCCT  
CTGGGATGCTTTTACCTTTGTTGCAATCGCTGGAGTGATACTTATCGTGAGACCACCATTTATATTT  
GGTTCCGACTTTCAGGGATGAGAGAAAGCTATTCAGAGCACATTAAGGGGACGTTTGTGCGATCGGC  
ACGCTGTGCTAGCTGCGATCACTCTGGTATTCTGAGGAAAATGGGAAAATCTGTGGACTACTTTCTGAG  
CATCTGGTACTATGTCATACTTGGCCTTCCCGAAGCCATCATCCTCTTTGTCATAGGAGAGTGGAGT  
CTGCCCTACTGTGGCTGGACAGGCTGTTTCTCATACTCATTGGACTCCTAGGTTTGGGGGGTCAGATAT  
TTATCACTAAAGCAGTTCAAATAGAAAAAGCAGGACTCGTAGCGATAATGAAGACCATGGATATAGTCTT  
TGCTTTCATCTTTCAGATTGCTTCTTTGATAATGTACCAACTTGGTGGACGGTGGTGGGGCCCTCTGT  
GTGGTGTGACACCCTGGAGCAACCATTGTCGATGGCTGCAGGGTTCCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG215476 representing NM\_175507  
 Red=Cloning site Green=Tags(s)

MGPPEAAELAAEAVELREPELQLADPASPGEEHVDVEAEGAPGRGRCWPCGAWACGSRGEPEAKKKAPC  
 PGLGLFYTVLSAFLFSVASLFLVKKVQGVHAVEISAFRCVVQMLVIIPCLIRYRKTGFIGPKGQRLFLFLRG  
 VFGSSAMILMYAFQTTSLADATVIAFSCPVFTSIFAWIFLKEKYSLWDAFFTLFAIAGVILIVRPPFIF  
 GSDTSGMRESYSEHIKGTFAAIGHAVLAAITLVILRKMGSVDYFLSIWYVILGLPEAIIILFVIGEWS  
 LPYCGLDRLFLILIGLLGGQIFITKAVQIEKAGLVAIMKTMDIVFAFIFQIAFFDNVPTWWTVGGALC  
 VVYSTTGATIRRWLQGSK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175507

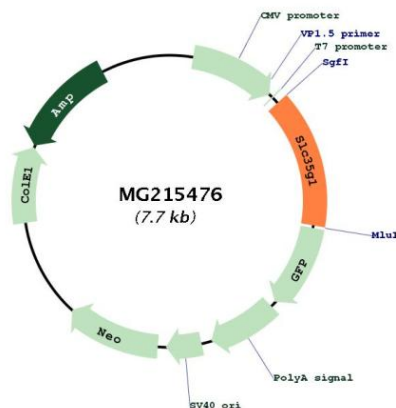
**ORF Size:** 1104 bp

**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).

<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_175507.3</a> , <a href="#">NP_780716.1</a>
<b>RefSeq Size:</b>	3471 bp
<b>RefSeq ORF:</b>	1107 bp
<b>Locus ID:</b>	240660
<b>UniProt ID:</b>	<a href="#">Q8BY79</a>
<b>Cytogenetics:</b>	19 C3
<b>Gene Summary:</b>	May play a role in intracellular calcium sensing and homeostasis. May act as a negative regulator of plasma membrane calcium-transporting ATPases preventing calcium efflux from the cell (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**

Circular map for MG215476