

Product datasheet for **MG216113**

Slc35g3 (NM_019871) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Slc35g3
Synonyms:	Amacl
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216113 representing NM_019871
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGAAGCTCTGCAGGGGACCAGGCAACCTGACCCAGGAGGAGAGGAAAGTCCAAGAAGAGATGG
CTGCCAGTCATCCCTATTTCAACCTACCTGACTTCACCCAGCCATCGCCGCCCTCCACTCCAGCCAGCCT
CCCCCCTCAAACATCACCATCGCTGTGGGCCCTCCAATGCCACCAAAGGCCTGTTTGTGGCCCTGCTGGGT
GGAGGCCTGTCTGCTGGCTTCGTGGGCCATTCTCCCGTATGGCTTACCAGACCTCCAGTTGCCCTCGT
TGGAGCTGCTCATCTCCGATGCCTTCCACCTCCCAATTGCCTTGTTACTTAAGTTCCGTGGTGATCC
ACTGCTGGGACCTCCTGATGTTTCGGGTTTCGGGCCCTTCTCCATGCCATTCTTAATGTCCTCAGCATTGGT
TGCGCCTACAGTGTTCAGGTGGTGCCTGCCGCAACGCAGTCACTGTCCGCAAAGGTTCTTCCACCG
TGTGCTCTGCCCTCCTGGCACTCTGCCTCGAGAGCCAGGGTCTCAGTGGCTATGCCTGGTGTGCCTGTT
TGGCAGCACCTTGGGCTAATCATCATCGTGGGACCTGGACTAGGGACACTGCAAGAAGGGACTACTGGC
CTCTACACAGCCCTGGGCTATGTAAGTGGCTTCTGGGAGGACTGGCACTGTCACTGGGGCTGCAGATTT
ACCGCTCTTACACTTCCCTTCTGTCTACCAACTGTGGCCTTCTTTTTGGCCTGGTGGGGCTAATGTT
CTCTGTACCAGGCCTCTTTGTGCTGCAGACCCCTGTGCTACCCCAAGACACTTAAGCTGGAGCTGTGTG
GTGGCAGTGGGGCTCCTTGCATTGGTTTCCCTTTGTATGTGTGAGCTATGCAAGTCAACCAAGGCCACCCCTG
CCCTGGTATGTGCTGCTGCACTCTGAGGTCGTGGTAGCCCTCATGCTGCAAGTATTACGTGCTCTATGA
GACCGTGGCACCTTCTGACATCATGGGAGCAGGGGTTGTGTTGGGCAGCATTGCCATCATTACTGCCAG
AACCTCAGTTGTGATAAGGAAGGGCAAACGGAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216113 representing NM_019871
 Red=Cloning site Green=Tags(s)

MAEALQGTRQDPDGEEVQEEMAASHPYFNLPDFTQPSPPSTPASLPSKHHRCGPSNATKGLFVALLG
 GGLSAGFVGPFSRMAYQTSQLPSLELLIFRCLFHLPIALLLKFRGDPLLGPDPVRVRAFLHAILNVLISIG
 CAYSAVQVVPAGNAVTVRKGSTVCSALLALCLESQGLSGYAWCGLFGSTLGLIIIVGPGLTLQEGTTG
 LYTALGYVLAFLGGLALSLGLQIYRSLHFPSCLPTVAFLFGLVGLMVSVPGLFVLQTPVLPQDTLSWSCV
 VAVGLLALVSVFVCSYAVTKAHPALVCAVLHSEVVVALMLQYYVLVETVAPSDIMGAGVVLGSAIIITAQ
 NLSCDKEGQTEE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019871

ORF Size: 1086 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_019871.2](#), [NP_063924.2](#)

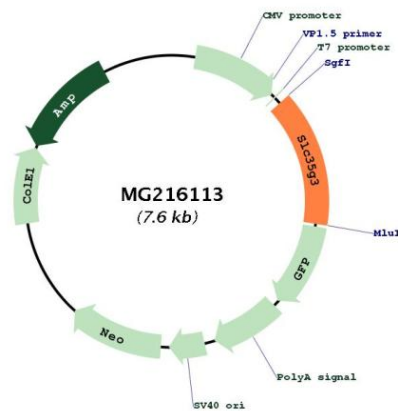
RefSeq Size: 1511 bp

RefSeq ORF: 1089 bp

Locus ID: 56293

Cytogenetics: 11 B3

Product images:



Circular map for MG216113