

Product datasheet for **MG216134**

Slc38a10 (NM_001164802) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc38a10 (NM_001164802) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Slc38a10
Synonyms: 1810073N04Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216134 representing NM_001164802
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGGCCGCTCCACCTCCAAGTGGGGGCTGATCACGAACGTGGTGAACAGCATCGTGGGCGTCAGCG
 TGCTACCATGCCTTTCTGCTTCAAGCAGTGTGGCATTGTCTGGGGCCCTGCTCCTGGTCTTCTGCTC
 CTGGATGACACACCAGTCTTGATGTTCTTGGTGAAGTCGGCCAGCCTGAGCAAGAGGAGGACCTATGCT
 GGCTGGCGTTCCACGCCTACGGCAAGGCCGGAAGATGCTGGTGGAGACCAGCATGATTGGGCTGATGC
 TGGGATCCTGCATTACCTTCTATGTCGTGATCGGTGACTTGGGGTCCAATTCTTTGCTCCGCTGCTTGG
 ATTACAGGTGACCAGGACTGTCCGTGTGTTCTGCTCTTCGACAGTGTCCCTGTTCAATTGTGCTCCCGCTC
 AGCCTGCAGAGAAACATGATGGCCTCTATCCAGTCCTTCAAGTGCATGGCGCTCCTCTTCTACACCGTCT
 TCATGTTCTGATTTGTGCTGTCCCTCCCTAAACATGGCCTCTTTAGTGGGCAAGTGGTGGCAGAGTTCAG
 CTACATTCGCTGGGAAGGTGTTTTCCGCTGTGTCCCATCTTTGGCATGTCTTTGCCTGTGAGTCCAG
 GTCCTGCCACCTATGACAGCCTGGACGAGCCATCAGTGAAGACCATGAGCTCCATCTTTGCCTCCTCCC
 TCAACGTGGTCAACGCTTCTATGTCATGGTGGGGTTTTTGGTTACGTGAGTTCAGTATGCCACCAC
 AGGCAATGTGCTGATCCACTTCCCCTCCAACCCGGTACAGAGATGATCCGAGTGGGCTTCGTGATGCT
 GTGGCTGTGGGCTTCCCATGATGATTCTGCCGTGACGGCCTTGAACACACTGCTGTTTGGCAGC
 AGCAAAAAGATGGAACCTTTGCTGCAGGAGGCTACATGCCCCACTCCGGTTTTAAAGTCCCTACCCTCTC
 GGTGGTGTGGAAACATGGTTGGTGGGTCATGATCCCCAATGTGAAACCATCCTTGGCTTACAGGA
 GCAACGATGGGAGCCTCATCTGCTTTATCTGCCCGCTCTGATCTATAAGAAAGCCACAGAATGCC
 CCTCAGCCAGGGTCTCCCTACAGAGCCCTGGCTGTCTGGTACTCGCTCTATAGACCAGGCTGGCCTCG
 AACTCAGGGATCCCTGACTCACATCCTGAGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216134 representing NM_001164802
 Red=Cloning site Green=Tags(s)

MTAASTSKWGLITNVVNSIVGVSVLTPMPCFKQCGIVLGALLVFCSWMTHQSCMFLVKSASLSKRRTYA
 GLAFHAYGKAGKMLVETSMIGMLGSCITFYVVIGDLGSNFFAPLLGLQVTRTVRVFLLFAVSLFIVLPL
 SLQRNMMASIQSFAMALLFYTFVFMFVIVLSSLKHGLFSGQWLRQVSYIRWEGVFRVPIFGMSFACQSQ
 VLPTYDSLDEPSVKTMSIFASSLNVVTA FYVMVGGFFGYVSFTDATTGNVLIHFPSNPVTEMIRVGFVMS
 VAVGFPMMLPCRQALNTLLFEQQKDGTF AAGGYMPPLRFKVLTL SVVFGTMVGGVMIPNVETILGFTG
 ATMGSLICFICPALIYKKAHKNAPSAQGLPTEPWLSWYSLYRPGWPRTQGSPDSHPEC

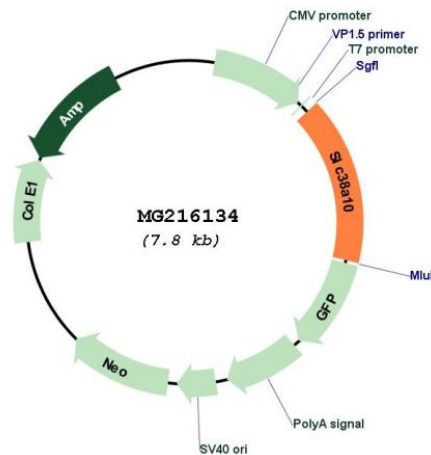
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164802

| | |
|-------------------------------|---|
| ORF Size: | 1224 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: | <ol style="list-style-type: none">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. |
| RefSeq: | NM_001164802.1 , NP_001158274.1 |
| RefSeq Size: | 1677 bp |
| RefSeq ORF: | 1227 bp |
| Locus ID: | 72055 |
| UniProt ID: | Q5I012 |
| Cytogenetics: | 11 E2 |
| Gene Summary: | Putative sodium-dependent amino acid/proton antiporter.[UniProtKB/Swiss-Prot Function] |