

Product datasheet for **MG210748**

Tmem63a (NM_144794) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem63a (NM_144794) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem63a
Synonyms:	BC014795; Tmem64a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210748 representing NM_144794
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCAGCTCCCCGTTCTGGATCCCTGGCCGTCCAAGGCTGTGTTTGTCCGTGAGCGCCTGGGTCTTG
 CGAACGTCCTAATGACTCCTATTGCTACAACCTCAGCCAAAAACAGCACTGTGCTCCAAGGGGTACCTT
 TGGAGGCATCCCCACTGTCTGCTTTAGATGTCAAGTTGCTTTTCTGTTTCTAATCCTGGTGTTCATC
 ATAAGGAGAAGATTCTGGGATTATGGCCGATAGCCCTGGTATCAGAAGCAGGCAGTGAGCCAGGTTC
 AGAGACTGTCTCTCTCCTCAGGGCAACAAGACTTTGAAAACGAGCTGGGATGCTGCTTGGCTGAC
 GGCCATCTTCGCTGCATGACGACCAGATCCTGGAGTGGTGGGAGAGGACGCCATCCACTACCTGTCT
 TTTAGAGGCACATCATCTTCTGCTGGTGGTGTGATCAGCTTCTGTCCCTGTGTGCATCTTGCCTGTCA
 ACCTCTCGGGAGACTTGTGGGTAAGACCCCTACAGCTTTGGGAGGACAACGATAGCTAACCTGCAGAC
 TGACAATGACCTCTCTGGCTGCACACTGTCTTACAGCTCATCTACCTTCTCCTCAGGTTGGCTTCATG
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 TCCCCAGAGAAGCCAGAAAGGAGACTGTGGAGAGCCACTTCCGAGATGCGTATCCACCGTGTGAGGTGGT
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 AGCCTTACCTATTACAAAACCTGCAGGCGAAGACAGGCCGACGGACCCTCATCAACCCCAAGCCTGTG
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 GCCTCAGCCTTATCGGCAGTGGCATGGAGCTGTTGCCCTGCCCGCCTCATCCTCTATACCTTCCGCA
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 CCTCTTCTGGCTCTTCTTTTCTCTTCTCCTCCGCTGGGTCTGACGGCCCCGGCCACGCTTTCACCTTC
 CTGGTTGTCTGCTCACCATCCTGGCTGCCTGCTGTACACCTGCTTTGGATGCTTCAAGCACCTCAGCC
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 ATTCACACCCTATGTGCCTCGGATCTGAACGGTTTGGCCTCAGAGAGGACAGCGTTATCCCCACAGCAG
 CAGCAGACCTACGGTGCCATCCGTAACATCAGTGGGACTTCTTCCGGCAGCCCGTGGCTCAAGATCCTA
 GTGGCACTGCGGCTTATGCCTACCAGGAATCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210748 representing NM_144794
 Red=Cloning site Green=Tags(s)

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MTSSPFLDPWPSKAVFVRERLGLGERPNDSYCYNSAKNSTVLQGVTGGIPTVLLLLDVSCFLFLILVFSI
IRRRFDYGRIALVSEAGSEARFQRLSSSSGQDFENELGCCPWLTAIFRLHDDQILEWCGEDAIHYLS
FORHIIIFLLVVISFLSCLVILPVNLSGDLLGKDPYSFGRTTIANLQTDNDLLWLHTVFSVIYLFLLTVGFM
WHHTRSIRYKEESLVRQTLFITGLPREARKETVESHFRAAYPTCEVVDVQLCYSVAKLIYLCKERKKTEK
SLTYYTNLQAKTGRRTLINPKPCGQFCCCEVQGCEREDAISYYTRMNSLLERITAEESRVQDQPLGMAF
VTFREKSMATYILKDFNACKCQGLRCKGEPQSSYSRELCVSKWTVTFASYPEDICWKNLSIQGVRWWLQ
WLGINFSLFVVLFLLTTPSIIMSTMDKFNVTKPIHALNNPVISQFFPTLLLWSFSALLPSIVYYSTLLES
HWTRSGENRIMVSKVYIFLIFMVLILPSLGLTSLDFFRWFDFKTSSETSIRLECVFLPDQGAFFVNYVI
ASAFIGSGMELLRLPGLILYTFRMIMAKTAADRRNVKQNAFEYEFGAMYAWMLCVFTVIMAYSITCPII
VPFGLIYILLKHMVDRHNLVYFAYLPAKLEKRIHFAAVNQALAAPILCLFWLFFFSLRLGLTAPATLFTF
LVVLLTILACLLYTCFGCFKHLSPWNYKTEESASDKGSEAEAHVPPFPYVPRILNGLASERTALSPQQ
QPTYGAIRNISGTLPGQPVAQDPSGTAAYAYQES
  
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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.

RefSeq: [NM_144794.2](#), [NP_659043.1](#)

RefSeq Size: 3239 bp

RefSeq ORF: 2415 bp

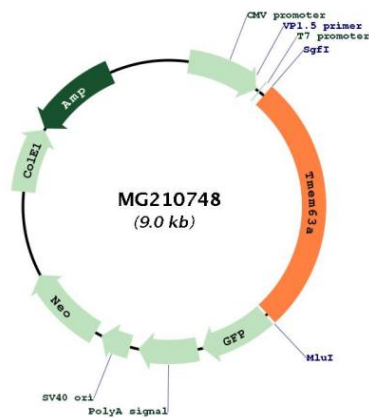
Locus ID: 208795

UniProt ID: [Q91YT8](#)

Cytogenetics: 1 H4

Gene Summary: Acts as an osmosensitive calcium-permeable cation channel.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210748