

Product datasheet for **MG207313**

Tmem143 (NM_144801) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Tmem143 (NM_144801) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Tmem143 |
| Synonyms: | 2310076O21 Rik; AI481604 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG207313 representing NM_144801
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAGTCGCGGTTGGTTAAGGCTCTGGAAAGGGGGCAGGCCATGTTGCATGTGACCTGGGGTCCA
 AGGTCCGACTATGGTCCCTGGTGCCTGCTCTCCTCGGGACTCCCCGAGCTCTGTGCTCCCTGGAGAACAG
 GATGGGGGTGTACCGCAAGATGTGGAACCCCAAGGAGCCCTGCGACTGGGCCAGCAGTACCGCGAGCGC
 TTCATTCCATTCTCCAAGGAGCAGCTGCTCCGCCTCTGATACAGGAGTCCACTCCAGCCCAGCGGAGA
 GAGCAGCTTTGGAGGCATTCTCAGCTCACGTGGACTTCTGTACCCTTTTCACTACCATCAGCTCCTGGC
 CAGGCTGCAGGCCTTGTATGACCCCATCAACCCCGACAGGGAGACCCTGGACCAGCCGTCCTTACTGAC
 CCCGAGCGCTGTCCAGTGAGAAGGATGTCTCCAGGCTCTGAGGCCCTGCTGGCCAGGCCAACTTCT
 CTCCTACTCTGAAGATGCCCTGGCTTATGCACTAGTCGTCCATCATCTCAGGATGAGGTCCAGGTGAC
 AATAAATTTGGATCAGTATATCTACATACAGTTCTGGGCCCTGGCCAGAGAGTTGGGCAGATGCCCCAC
 AAGTCCAGTGTGGCTCCAAGCGTGGCTTCTTCAGAAAAGTTGCCCTGTGGAGAGGAGATACTTCAAGC
 GTGTGGTGTGGCTGCCCGACGAAAGGAGGGCACCTGGTCTGAAGAGCTTCAAGGATACCCCGCTGGA
 GGGCTTAGAGCAGCTGCTGCCGAGCTGAAGGTGCGCACGCCCGTGTGCAGCGCGCCCTGCTCAACCTT
 ATGTTGGTGGTCTCAGGCGTCATGATCTTCGTC AACGTGGGCA TGGTGATACTGTCTGACCTCAAGATGG
 CCACCTCCCTGCTGCTGCTGCTTTTGTGCTTCATGGGCGTGAAGGCCTCAAGGTGTTTGGGCAGCG
 CCGCAGTGCCAGGCGCTGGAGCTGGCACACGTGCTGTACTACCGAAGCACGTCCAACAACCTCAGAACTG
 CTCAGTCCCTGGCACTCCGAGCCAGGAGGAACATATCAAGGAAGCCCTCCTGGCTCACAGCTTCTCTAG
 CCCGCCGCGCCAGGGGGCTCCCAAGGCAAACCTGAAGAGACCTCCAGGTGGCTGCAGTCTGAAGTGGAAAG
 CTGGCTTCTGGCCAATCAGGCTGTGATGTAACCTTCAATGGACCTCGGGCCCTGGCCCATCTGCAAGCC
 CTGACCCCGACGCTTGGACTGTTCCCACTACCTGAATTGCCACAACCTGGACCCAATGGTCTTAGGCACTC
 CAGAGGCCACGCAGGCTGCGCTGGGTAGCAGCTACCCCTCACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207313 representing NM_144801
 Red=Cloning site Green=Tags(s)

MTVARWLRLWERQAMLHVTWGSKVRLWLSLVPALLGTPRALSSLENRMGVYRKMWNPKPCDWAQQYRER
 FIPFSKEQLLRLLIQEFHSSPAERAALEAFSAHVDFCTLFHYHQLLARLQALYDPINPDRETLDQPSLTD
 PERLSSEKDVLRPLLAQANFSPLSEDALAYALVVHHPQDEVQVTINLDQYIYIQFWALGQRVGQMPH
 KSSVSGSRGFFRKLPPVERRYFKRVVLAARTKGGHLVLKSFKDTPLEGLEQLLPELKVTRTPVLQRALLNL
 MLVVSGVMIFVNVGMVILSDLKMATSLLLLLFAAFMGVKASKVFGQRRSAQALELAHVLYYRSTSNNSL
 LSALALRAQEEHIKEALLAHSFLARRPGGSQKPEETSRLWQSEVESWLLAQSGCDVTFNGPRALAHLQA
 LTPSLGLFPLPELPQLDPMVLGTPEATQAALGSSYPSP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_144801

ORF Size: 1374 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.

RefSeq: [NM_144801.1](#), [NP_659050.1](#)

RefSeq Size: 2179 bp

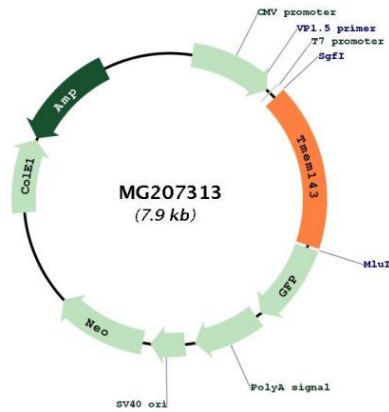
RefSeq ORF: 1377 bp

Locus ID: 70209

UniProt ID: [Q8VD26](#)

Cytogenetics: 7 B3

Product images:



Circular map for MG207313