

Product datasheet for **RG214148**

TMEM194A (NEMPI) (NM_015257) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TMEM194A
Synonyms:	TMEM194; TMEM194A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214148 representing NM_015257
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGGGAGGAATGAAAGTGGCGGTCTCGCCGGCAGTTGGTCCCAGGCTCGGGCTCGGGAGTCGGGG
GCGGTGGGACAGTGGCGTACTCTTGATCCTCTCCGGCTGCTTGGTCTACGGCACAGCTGAAACTGATGT
AAATGTGGTCATGCTTCAGGAATCCCAAGTTTGTGAAAAGCGTGCCAGCCAACAATTCTGTTACACAAAT
GTGCTTATCCCAAAATGGCATGATATATGGACACGGATACAGATCCGAGTAAATAGTTCCAGATTGGTTC
GAGTACCCAGGTGGAGAATGAGGAGAACTGAAGGAGCTAGAGCAAAGTCAAATTTTCTACTACTCTAC
TGGGATGACTGTGGGAATTGTGGCCTCTCTGCTAATCATCATTTTTATACTATCTAAGTTTATGCCTAAG
AAAAGTCCCATTTACGTCATCCTGGTGGGAGGCTGGTCTTTTCTCTGTACCTCATTCAACTAGTTTTTA
AAAATTTACAAGAGATCTGGAGGTGTACTGGCAGTATCTTTAAGTTATGTCCTCACAGTTGGATTCAT
GAGTTTTGCAGTATGTTACAAGTATGGGCCCTTGAGAGATGAACGAAGTATCAACCTGCTGACCTGGACC
TTGCAGCTGATGGGCTGTGTTTCATGTATTCTGGCATCCAGATACCACATATTGCCCTTGCCATTATCA
TCATTGCTCTTTGTAAGAACCTGGAACACCCTATTCAGTGGCTGTACATCACCTGCAGAAAGGTGTG
TAAGGGAGCAGAAAAGCCTGTCCCCCTCGTCTCCTGACAGAAGAAGATATCGGATACAAGGAGAGGTA
GAAACCCGAAAGGCTTTAGAGGAGCTCCGAGAATTTGTAAACAGTCCAGACTGCTCTGCTTGGAAAGACTG
TTTCTCGAATCCAGTCTCCAAAAGATTTGCTGACTTTGTGGAAGGCTCTCCACCTCACGCCAAATGA
AGTTTCTGTCCATGAGCAGGAGTATGGATTAGGGAGCATTATTGCCAGGATGAAATCTATGAGGAAGCA
TCCTCTGAGGAGGAGGACTCATATTCTCGGTGCTCTGCTATCACACAGAACAACCTTCTAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG214148 representing NM_015257
Red=Cloning site Green=Tags(s)

MAGGMKVAVSPAVGPGPWGSGVGGGTVRLLILSGCLVYGTAEVDVNVMLQESQVCEKRASQQFCYTN
VLIPKWHDIWTRIQRVNSSRLVRVTQVENEEKLKELEQSQIFYSTGMTVGIVASLLIIIFILSKFMPK
KSPIYVILVGGWSFSLYLIQLVFNKLQEIWRCYWQYLLSYLTVGFMSFAVCYKGPLENERSINLLTWT
LQLMGLCFMYSGIQIPHIALAIIIIALCTKNLEHPIQWLYITCRKVCKGAKEPVPPRLLTEEYRIQGEV
ETRKALEELREFCNSPDCSAWKTVSRIQSPKRFADFVEGSSHLTPNEVSVHEQEYGLGSIIAQDEIYEEA
SSEEDSYSRCPAITQNLLT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015257

ORF Size: 1113 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:	<u>NM_015257.1</u> , <u>NP_056072.1</u>
RefSeq Size:	5388 bp
RefSeq ORF:	1116 bp
Locus ID:	23306
UniProt ID:	<u>O14524</u>
Cytogenetics:	12q13.3
Protein Families:	Transmembrane