

Product datasheet for **RG214444**

TMEM150A (NM_153342) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TMEM150A
Synonyms:	TM6PI; TMEM150; TTN1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214444 representing NM_153342
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTATGCCCTGTGGAACTGGTCCTACAACGAGTCCTGCCCTCCTGACCCTGCTGAGCAAGGGGTCC
CAAGACCTGCTGCACCTGGACGATGTCCCTCATCAGTGGCCCTGATCTGCCTCCTGCGCTACGGCA
GCTCCTGGAGCAGAGTCGGCACTCTTGGTTAACACCACGGCACTCATCACAGGCTGCACCAACGCTGCG
GGCCTCTTGGTGGTTGGCACTTTAGGTGGATCATGCCAGGTCTCTGCACTACGTTGGAGCTGGCGTGG
CCTCCCTGCGGGGCTGCTCTTTGTTGCTGCACTGTGCTCTCTCTACCAAGGGGCCACCGCCCGCT
GGACCTGGCTGTGGCCTATCTGCGAAGTGTGCTGGCTGTATCGCCTTTATCACCTGGTCCTCAGTGGA
GTCTTCTTTGTCCATGAGAGTTCTCAGCTGCAACATGGGGCAGCCCTGTGTAGTGGGTGTGTGTCATCG
ATATCCCCATTTCTATGGCACCTTCAGCTACGAGTTTGGGGCAGTCTCCTCAGACACACTGGTGGCTGC
ACTGCAGCCTACCCCTGGCCGGGCTGCAAGTCTCCGGGAGCAGCAGCACCTCCACCCACCTCAACTGT
GCCCCGAGAGCATCGCTATGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214444 representing NM_153342
Red=Cloning site Green=Tags(s)

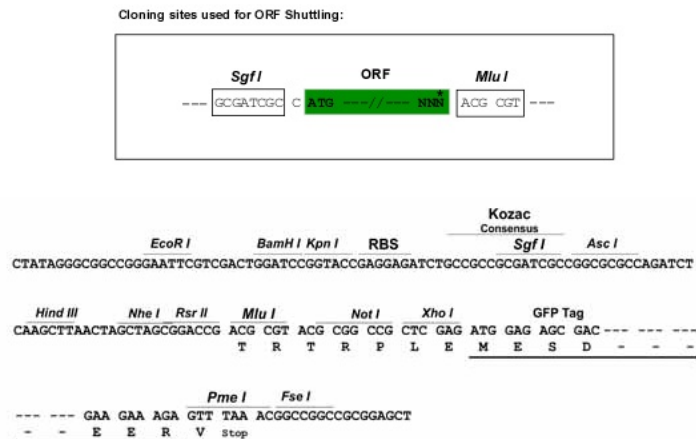
MYALWRTGPTTSPALLTLLSKGVPRPAAPWTMSPSSVALICLLRYQLLEQSRHSWNTTALITGTNAA
GLLVGNFQVDHARSLHYVGAVFAPAGLLFVCLHCALSYQGATAPLDLAVAYLRSLAVIAFITLVLSG
VFFVHESSQLQHGAALCEWVCVIDIPIFYGTFSYEFGAVSSDTLVAALQPTPGRACKSSGSSSTSTHLNC
APESIAM

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153342

ORF Size: 654 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:

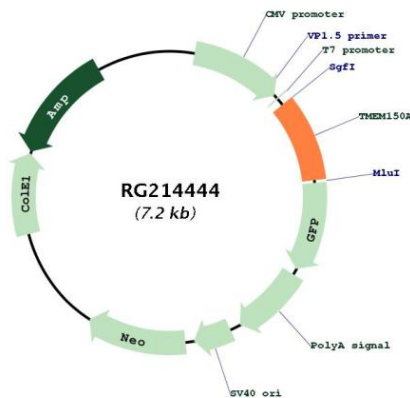
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_153342.2](#)

RefSeq Size:	1486 bp
RefSeq ORF:	657 bp
Locus ID:	129303
Cytogenetics:	2p11.2
Protein Families:	Transmembrane
Gene Summary:	Regulates localization of phosphatidylinositol 4-kinase (PI4K) to the plasma membrane, possibly by reducing the association of TTC7 (TTC7A or TTC7B) with the PI4K complex (PubMed:25608530). Acts as a regulator of phosphatidylinositol 4-phosphate (PtdIns(4)P) synthesis (PubMed:25608530). May also play a role in fasting-induced catabolism (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214444