

Product datasheet for **RG215414**

TMPPE (NM_001039770) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMPPE (NM_001039770) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMPPE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215414 representing NM_001039770 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGCCATCTTCAGGCAGCTGTCCCTAGGCGCGAAGGCCACCCTGGCTGCTGCTACTGTCTTCGTGTCCA
TGATCGCCTCCGCTCGTATCTGGCAGAGAGCCTTGAGCTCAGGGCCTGGCGTTGGCTGCTTCGCTTGCA
GCTTGCCCTGTTTGTCAACTCGCTCTTGCTCATTGGCTCCCTCTACATTTGGCGCAGCACAGTGAGCAAC
CTCTGCCACTCCCAGCTGCAGAGTCAACCTGTTTTAGCTTTGGAAGGTGGTGGTCTGGCATTCTGG
CCCTGGCCCATTCAGTTTCTTTACCATGTTCTTTTAGTGGCCGAAGAGCCCTATCTCTTTCCCTTGGC
GGCTACTCCTGCCTGGGTGCTTACATCATCATGCTCTTCTTCTCTCATCCTCAGCGGCATGGAGCAG
GCCTACCAGCTCTTGGCCTGGCGCAGTGGTAGGGTCGTGGGCAGCCTTGAGAAGACAAGGAAGCTCGTGC
TCAGGCCTGCCCTGGCAGTGGGAGTGACTGCTGTGCTCAGCGTGGCCGGGATTCTGAATGCCGCGCAGCC
CCCGGCTGTGAAACTGTGGAGGTGCCCATCCATCAGCTGCCTCAATGAACAACCTCAAGTCTGTG
CTCCTCTCAGACATTCATTGGGCCCCACAGTGGCAGGACCAAGATGGAATGTTTGTGAGGATGGTGA
ATGTGCTGGAACCAGACATCACGGTGATTGTGGGTGACCTCTCGACTCAGAAGCCTCGGTCTGCGGAC
GGCTGTCGCTCCTCTGGCCAGCTTCGTTACATCTCGGTGCCTACTTCGTCACAGGCAATCATGAGTAC
TACACGTCAGATGTCAGCAACTGGTTTGCACTTCTGGAATCCCTGCATGTCCAGCCTCTTCATAATGAGA
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CTTGACAAGGCCCTGGAGGGCTGCAGCCAGACCACACAATCATCTTGCTAGCTCACCAGCCCCTGGCTG
CCAAGAGAGCTCTCCAGGCTCGGCCAGATTAACCTGATCCTTTCTGGGCACACATGCTGGGCAGAT
CTTCCCCTTGAACGTAGCAGCCTATCTCCTGAATCCCTTCTTGTGCTCTACAGGTGGCCAGGCT
ACATTCGTGTATGTCAGCCAGGCACAGCCTACTACGGGATACCCATGAGGCTGGGTAGCAGGGCCGAGA
TCACAGAGCTCATCCTGCAGCGGTCTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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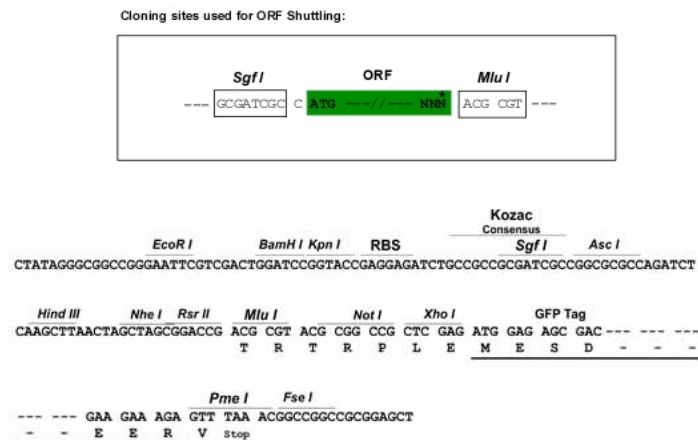
Protein Sequence: >RG215414 representing NM_001039770
 Red=Cloning site Green=Tags(s)

MAIFRQLSLGAKATLAAVTVFVSMIASRSLAESLELRWRLLRLQLALFVNSLLIGSLYIWRSTVSN
 LCHSPAAESTCFQLWKVVVLAFLALAHSSFFTMFFLVAEPPYLFSLAAYSCLGAYIIMLFFLFILSGMEQ
 AYQLLAWRSGRVVGSLKTRKLVLRPALAVGVTAVLSVAGILNAAQPPAVKTVEVPIHQLPASMNNLKVV
 LLSDIHLGPTVGRTKMEMFVRMVNVLEPDITVIIVGDLSDSEASVLRATAVPLGQLRSHLGAYFVTGNHEY
 YTSDVSNWFALLESLHVQPLHNENVKISATRAQRGGGGSGSGSEDEDWICLAGVDDIEADILHYSGHGMD
 LDKALEGCSPDHTIILLAHQPLAAKRALQARPDINLILSGHAGQIFPLNVAAYLLNPFFAGLYQVAQA
 TFVYVSPGTAYYGIPMRLGSRAEITELILQRSP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001039770

ORF Size: 1359 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_001039770.1](#), [NP_001034859.1](#)

RefSeq Size: 3962 bp

RefSeq ORF: 1362 bp

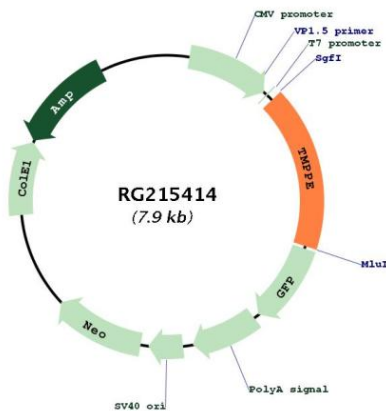
Locus ID: 643853

UniProt ID: [Q6ZT21](#)

Cytogenetics: 3p22.3

Protein Families: Transmembrane

Product images:



Circular map for RG215414