

Product datasheet for **RC226759**

TMPPE (NM_001136238) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMPPE (NM_001136238) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMPPE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226759 representing NM_001136238
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCATCTTCAGGCAGCTGTCCCTAGGCGCGAAGGCCACCCTGGCTGCTGCTACTGTCTTCGTGTCCA
 TGATCGCCTCCCCTCGTATCTGGCAGAGAGCCTTGAGCTCAGGGCCTGGCGTTGGCTGCTTCGCTTGCA
 GCTTGCCCTGTTTGTCAACTCGCTCTTGCTCATTGGCTCCCTCTACATTTGGCGCAGCACAGTGAGCAAC
 CTCTGCCACTCCCAGCTGCAGAGTCAACCTGTTTTCAGCTTTGGAAGTGGTGGTTCTGGCATTCTGG
 CCCTGGCCATTCCAGTTTCTTTACCATGTTCTTTTAGTGGCCGAAGAGCCCTATCTCTTTTCTTGGC
 GGCCTACTCTGCCTGGGTGCTTACATCATCATGCTCTTCTTCTTCTCCTCCTCAGCGGCATGGAGCAG
 GCCTACCAGCTCTTGGCCTGGCGCAGTGGTAGGGTCGTGGGCAGCCTTGAGAAGACAAGGAAGCTCGTGC
 TCAGGCCTGCCCTGGCAGTGGGAGTGACTGCTGTGCTCAGCGTGGCCGGGATTCTGAATGCCGCGCAGCC
 CCCGGCTGTGAAACTGTGGAGGTGCCATCCATCAGCTGCCTCAATGAACAACCTCAAGATCGTG
 CTCTCTCAGACATTCACCTGGGCCCCACAGTGGGCAGGACCAAGATGGAATGTTTGTGAGGATGGTGA
 ATGTGCTGGAACCAGACATCACGGTGATTGTGGGTGACCTCTCCGACTCAGAAGCCTCGGTCTCGGGAC
 GGCTGTGCTCCTCTGGGCCAGCTTCATTACATCTCGGTGCCTACTTCGTACAGGCAATCATGAGTAC
 TACACGTCAGATGTCAGCAACTGGTTTGCACCTTCTGGAATCCCTGCATGTCCAGCCTCTTCATAATGAGA
 ACGTGAAGATTTCCGCCACACGGGCCAACGTGGTGGTGGTGGCAGTGGCAGTGGGAGTGAGGATGAGGA
 CTGGATCGCTTGGCTGGGTGGACGATATTGAAGCAGACATCCTGCACTACTCTGGCCATGGCATGGAT
 CTTGACAAGGCCCTGGAGGGCTGCAGCCAGACCACACAATCATCTTGTAGCTACCAGCCCCTGGCTG
 CCAAGAGAGCTCTCCAGGCTCGGCCAGATTAACCTGATCCTTCTGGGCACACACATGCTGGGCAGAT
 CTCCCCCTTGAACGTAGCAGCCTATCTCCTGAATCCCTTCTTGTGCTCTACCAGGTGGCCAGGCT
 ACATTCGTGTATGTCAGCCAGGCACAGCCTACTACGGGATACCCATGAGGCTGGGTAGCAGGGCCGAGA
 TCACAGAGCTCATCTGCAGCGTCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226759 representing NM_001136238
 Red=Cloning site Green=Tags(s)

MAIFRQLSLGAKATLAAVTVFVSMIASRSYLAESLELRWRLLRLQLALFVNSLLLIGSLYIWRSTVSN
 LCHSPAAESTCFQWKVVVLAFLALAHSSFFTMFFLVAEEPFLSLAAYSCLGAYIIMLFFLILSGMEQ
 AYQLLAWRSGRVVGSLEKTRKLVLRPALAVGVTAVLSVAGILNAAQPPAVKTVEVPIHQLPASMNNLKIV
 LLSDIHLGPTVGRKMEMFVRMNVLEPDITVIVGDLSDSEASVLRATAVAPLQQLHSHLGAYFVTGNHEY
 YTSDVSNWFALLESLHVQPLHNENVKISATRAQRGGGSGSGSEDEDWICLAGVDDIEADILHYSHGMD
 LDKALEGCPDHTIILLAHQPLAAKRALQARPDINLILSGHTHAGQIFPLNVAAYLLNPFAGLYQVAQA
 TFVYVSPGTAYYGIPMRLGSRAEITELILQRSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001136238

ORF Size: 1362 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_001136238.1](#), [NP_001129710.1](#)

RefSeq Size: 3470 bp

RefSeq ORF: 951 bp

Locus ID: 643853

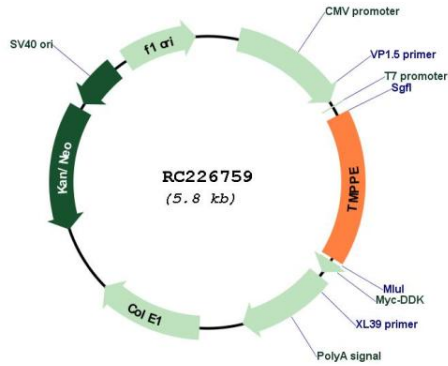
UniProt ID: [Q6ZT21](#)

Cytogenetics: 3p22.3

Protein Families: Transmembrane

MW: 49.5 kDa

Product images:



Circular map for RC226759