

## Product datasheet for **RC225730**

### **TMEM194A (NEMP1) (NM\_001130963) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TMEM194A (NEMP1) (NM_001130963) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMEM194A
Synonyms:	TMEM194; TMEM194A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC225730 representing NM\_001130963  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGAGGAATGAAAGTGGCGGTCTCGCCGCAGTTGGTCCCGGCCCTGGGGCTCGGGAGTCGGGG  
 GCGGTGGGACAGTGC GGCTACTCTTGATCCTCTCCGGCTGCTTGGTCTACGGCACAGCTGAAACTGATGT  
 AAATGTGGTCATGCTTCAAGGAATCCCAAGTTTGTGAAAAGCGTGCCAGCCAACAATTCTGTTACACAAAT  
 GTGCTTATCCCAAAATGGCATGATATATGGACACGGATACAGATCCGAGTAAATAGTTCAGATTGGTTC  
 GAGTCACCCAGGTGGAGAATGAGGAGAACTGAAGGAGCTAGAGCAGTTTAGTATCTGGAACTTTTTTTC  
 CTCCTTTTTAAAAGAGAAATTGAATGACACCTATGTTAACGTGGGTCTATACAGCACAAAAACCTGCCTC  
 AAAGTTGAGATTATAGAGAAGGACACCAAGTACAGTGTCATTGTGATCCGGAGATTTGATCCCAAACCTCT  
 TTCTTGTTTTCTTCTTGGACTTATGCTATTTTTTTGTGGAGACTTGCTGAGCAGAAGTCAAATTTTCTA  
 CTACTCTACTGGGATGACTGTGGGAATTGTGGCCTCTCTGCTAATCATCATTTTTATACTATCTAAGTTT  
 ATGCCTAAGAAAAGTCCCATTTACGTATCCTGGTGGGAGGCTGGTCTTTTTCTCTGTACCTCATCAAC  
 TAGTTTTTAAAAATTTACAAGAGATCTGGAGGTGTTACTGGCAGTATCTTTAAGTTATGTCCCTCACAGT  
 TGGATTATGAGTTTTGCAGTATGTTACAAGTATGGGCCCTTGGAGAATGAACGAAGTATCAACCTGCTG  
 ACCTGGACCTTGACAGTGTGGGCTGTGTTTCATGTATTCTGGCATCCAGATACCACATATTGCCCTTG  
 CCATTATCATCATTGCTCTTTGTACTAAGAACCTGGAACACCCTATTCAGTGGCTGTACATCACCTGCAG  
 AAAGGTGTGTAAAGGAGCAGAAAAGCCTGTTCCCCTCGTCTCCTGACAGAAGAAGAATATCGGATACAA  
 GGAGAGGTAGAAACCCGAAAGGCTTTAGAGGAGCTCCGAGAATTTGTAACAGTCCAGACTGCTCTGCTT  
 GGAAGACTGTTTTCTCGAATCCAGTCTCCAAAAGATTTGCTGACTTTGTGGAAGGCTCTCCACCTCAC  
 GCCAAATGAAGTTTCTGTCCATGAGCAGGAGTATGGATTAGGGAGCATTATTGCCCAGGATGAAATCTAT  
 GAGGAAGCATCCTCTGAGGAGGAGGACTCATATTCTCGGTGTCCTGCTATCACACAGAACAACCTTTCTAA  
 CC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC225730 representing NM\_001130963  
 Red=Cloning site Green=Tags(s)

MAGGMKAVSPAVGPGPWGSGVGGGTVRLLLILSGCLVYGTAEVDVNVMLQESQVCEKRASQQFCYTN  
 VLIPKWHDIWTRIQIRVNSSRLVRVTQVENEKLEKEQFSIWNFFSSFLKEKLNNDYVNVGLYSTKTCL  
 KVEIIEKDTKYSVIVIRRFDPKLFVLLGLMLFFCGDLLSRSQIFYYSTGMTVGIVASLLIIIFILSKF  
 MPKKSPIYVILVGGWFSLYLIQLVFNKLEIWRQYQYLLSYVLTGFMFAVCYKYGPLENERSINLL  
 TWTLQLMGLCFMYSIQIPHIALAIIIIALCTKNLEHPIQWLYITCRKVCCKGAKEPVPVPRLLTEEEYRIQ  
 GEVETRKALEELREFCNSPDCSAWKTVSRIQSPKRFADFVEGSSHLTPNEYSVHEQEYGLGSIIAQDEIY  
 EEASSEEDSYSRCPAITQNNFLT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8060\\_d07.zip](https://cdn.origene.com/chromatograms/mk8060_d07.zip)

**Restriction Sites:**

Sgfl-Mlul

## Cloning Scheme:



ACCN: NM\_001130963

ORF Size: 1332 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\\_001130963.2](#)

RefSeq ORF: 1335 bp

Locus ID: 23306

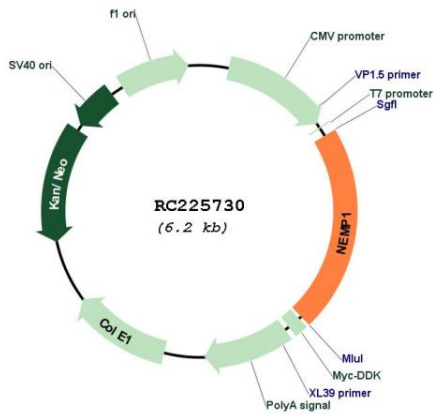
UniProt ID: [O14524](#)

Cytogenetics: 12q13.3

Protein Families: Transmembrane

MW: 50.5 kDa

Product images:



Circular map for RC225730