

Product datasheet for **RC228923**

TMEM44 (NM_001166305) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM44 (NM_001166305) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TMEM44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC228923 representing NM_001166305
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGGAGGCGCCAGCCCCGCGCCGCGCTCTGGGACTGGACTACCTGGACCCTGCTTCGCCCCGCC
 ACCGCGTCTGCATCTCCTTCGGCCTGTGGATCTGCGCCTCCTCCTGCTGGATCGCCGCCACGCGCTGCT
 TCTCTATCTGAGATGTGCACAGAAACCCAGACAGGACCAGTCGGCACTGTGTGCTGCATGCTGCCTCCTG
 ACCAGTCTGTGTGACACCGTCGGGGCTCTTCTGGCCAGACAGCTCACAATCCAGGTTTTCACTGGTGCT
 ACCTAGCAGCTATTGACTTAGTGAACCTTATGTTCACTTCTTCCAGTCTGTGGATCCAAATTCAGTC
 TAATTCAGATCGGGAAGCCCGAGAGAGGAAGAGGAGGCGGCAGCTCAGGGCCAGTGTGTTTGCCTGGCC
 CTGCCGCTGAGCCTGGGCCGCTGTGGCTCTGTGGTTGCTGTCCGAAGGCTTCAGCCACCATCCGGG
 GGCCACAGCGGAGGCTGTAGCGAGCCTGCTGCAGGAAAATACTGAGATCCTCGGCTACCTGCTGGTAG
 CGTTGCTGCCTTTGGCTCCTGGCTTCTCGGATCCCCCTCTCTCCAGAATTGCCACCTCCGACTG
 GGGATTACGACTCAACATGAGATCTGGCGGGACAAATGTCCAAACCATCCAGTCTCCCTCACATTCTC
 CCAGCGGACATTGGCGAGCCGCTGCCAGCGTCAGGTGCTGGGCACTGAGATGTGCCGGGGGAAGACATT
 TCCTCCATCCACTGTGGACCCGGCTCCTGTCCGCCCTGGCTGGCTCCTCTATGCCTCGGCCATTGTG
 GCCACGACCGGCACCCTGAGTACCTGTGCGGGCCACACCCTGGTTCCTGACCTCCCTCGGCCGTGCGG
 CACTGGACCTCGCTATTATTTTCCTTTCGTGTGTGATGAAGAGCAAGATGAGACAGGCCTTAGGATTTGC
 CAAGGAAGCCAGAGAGAGCCCTGACACCAAGCCCTTTGACCTGTGCAGAGAAAGAGGAAGAAAACAG
 GAGAATTTGGATTGGGTGCCTCTCACCACTGTCACACTGCAAGTCACTGAGGACAATGACAGCAATCA
 GTCGCTACATGGAGCTGACCATCGAGCCTGTGCAGCAGGCAAGGCTGAGTCCACCAGGCTGCCAGGTGA
 CGGGCAGACGAGCGCGGAGATGCGTCCCTGCAGGACCCCGTGTACCTCCGTTCCAGTTCATCCGG
 GCCCGGTGTCTTCCGGAGCTCCTCTGAGGTCTCCTCCATCAACTCCGACCTGGAGTGGGACCCTGAAG
 ATGTGAACCTCGAAGGCAGCAAAGAAAATGTGGAGCTACTGGGATCCCAGGTGCACCAGGACTCTGTGAG
 GACAGCACACCTGAGTGATGATGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228923 representing NM_001166305
 Red=Cloning site Green=Tags(s)

MGEAPSPAPALWDWYLDRCFARHRVCISFGLWICASSCWIAAHALLLYLRCAQKPRQDQSALCAACCLL
 TSLCDTVGALLARQLTIQVFTGAYLAAIDL VNFMI LFPVCGSKFKSNSDREARERKRRRQLRASVFALA
 LPLSLGPCWALWVAVPKASATIRGPQRRLLASLLQENTEILGYLLGSVAAFGWSWRIPPLSRIAPPPTL
 GITTQHEIWRGQMSKPSQSPSHSPSGHWRAAAQRQVLGTEMCRGKTFPSIHLWTRLLSALAGLLYASAIV
 AHRHPEYLLRATPWFLTSLGRAALDLAIFLSCVMKSKMRQALGFAKEARESPDTQALLTCAEKEEENQ
 ENLDWVPLTTLSHCKSLRTMTAISRYMELTIEPVQQAGCSATRLPGDGQTSAGDASLQDPPSYPPVQVIR
 ARVSSGSSEVSSINSDLEWDPEDVNLEGSKENVELLGSQVHQDSVRTAHLSDDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001166305

ORF Size: 1425 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_001166305.1](#), [NP_001159777.1](#)

RefSeq ORF: 1428 bp

Locus ID: 93109

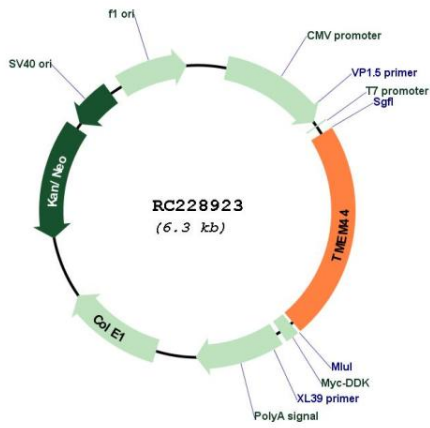
UniProt ID: [Q2T9K0](#)

Cytogenetics: 3q29

Protein Families: Transmembrane

MW: 52 kDa

Product images:



Circular map for RC228923