

Product datasheet for RC233429

TMCO1 (NM_001256164) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMCO1 (NM_001256164) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TMCO1
Synonyms: HP10122; PCIA3; PNAS-136; TMCC4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233429 representing NM_001256164
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCCCGGAAGCGGAAGTGCATCTTCGGCTGTCAGAGTTGGTCTGTTACTCGGTGGTGGCGGAGTCT
ACGGAAGCCGTTTTCGTTCACTTTTCTGGCTGTAGAGCGCTTTCCCTGGCGGTGAGAGTGCAGAG
ACGAAGGACAGACAAGTACAAGAGACTGAAGGCAGAAGTGAAAAACAGAGTAAAAAATTGAAAAAGAAG
AAGGAAACAATAACAGAGTCAGCTGGTCGACAACAGAAAAAGAAAATAGAGAGACAAGAAGAGAACTGA
AGAATAACAACAGAGATCTATCAATGGTTCGAATGAAATCCATGTTTGCTATTGGCTTTTGTCTTACTGC
CCTAATGGGAATGTTCAATTCATATTTGATGGTAGAGTGGTGGCAAAGCTTCCTTTTACCCCTCTTCT
TACATCCAAGGACTGTCTCATCGAAATCTGCTGGGAGATGACACCACAGACTGTTCTTCATTTTCTGT
ATATTCTCTGTACTATGTCGATTCGACAGAACATTAGAAGATTCTCGGCCTTGCCCTTCACGAGCCGC
CACCAAGCAGGCAGGTGGATTTCTTGGCCACCACCTCTTCTGGGAAGTTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233429 representing NM_001256164
Red=Cloning site Green=Tags(s)

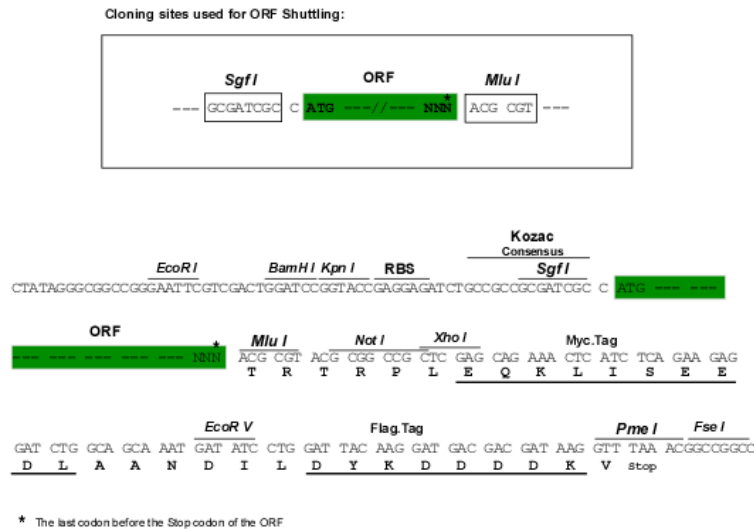
MPKRKCDLRAVRVGLLLGGGGVYGSFRFTFPGCRALSPWRVRVQRRRTDKYKRLKAEVEKQSKKLEKK
 KETITESAGRQKKKIERQEELKNNNRDL SMVRMKS MFAIGFCFTALMGMFNSIFDGRVAKLPFTPLS
 YIQGLSHRNLLGDDTTDCSIFLYILCTMSIRQNIQKILGLAPSRAATKQAGGFLGPPPPSGKFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001256164

ORF Size: 615 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_001256164.1](#), [NP_001243093.1](#)

RefSeq Size: 4376 bp

RefSeq ORF: 618 bp

Locus ID: 54499

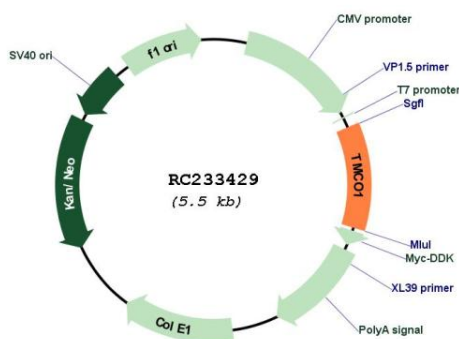
Cytogenetics: 1q24.1

Protein Families: Transmembrane

MW: 23.7 kDa

Gene Summary: This locus encodes a transmembrane protein. Mutations at this locus have been associated with craniofacial dysmorphism, skeletal anomalies, and cognitive disability. Mutations at this locus have also been associated with open angle glaucoma blindness. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2012]

Product images:



Circular map for RC233429