Product datasheet for SC111298

TMCO1 (NM_019026) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMCO1 (NM_019026) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMCO1
Synonyms:	HP10122; PCIA3; PNAS-136; TMCC4
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_019026 edited ATGAGCACTATGTTCGCGGACACTCTCCTCATCGTTTTTATCTCTGTGTGCACGGCTCTG CTCGCAGAGGGCATAACCTGGGTCCTGGTTTACAGGACAGACAAGTACAAGAGACTGAAG GCAGAAGTGGAAAAACAGAGTAAAAAATTGGAAAAGAAGAAGGAAACAATAACAGAGTCA GCTGGTCGACAACAGAAAAAGAAAATAGAGAGACAAGAAGAGAAACTGAAGAATAACAAC AGAGATCTATCAATGGTTCGAATGAAATCCATGTTTGCTATTGGCTTTTGTTTTACTGCC CTAATGGGAATGTTCAATTCCATATTTGATGGTAGAGTGGTGGCAAAGCTTCCTTTTACC CCTCTTTCTTACATCCAAGGACTGTCTCATCGAAATCTGCTGGGAGATGACACCACAGAC TGTTCCTTCATTTTCCTGTATATTCTCTGTACTATGTCGATTCGACAGAACATTCAGAAG ATTCTCGGCCTTGCCCCCTTCACGAGCCGCCACCAAGCAGGCAGGTGGATTTCTTGGCCCA CCACCTCCTTCTGGGAAGTTCTCTTGA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_019026 unedited GTCAGAATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGTTCGGGCTGTC AGAGTTGGTCTGTTACTCGGTGGTGGCGGAGTCTACGGAAGCCGTTTTCGCTTCACTTTT CCTGGCTGTAGAGCGCTTTCCCCCTGGCGGGTGAGAGTGCAGAGACGAAGGTGCGAGATG AGCACTATGTTCGCGGACACTCTCCTCATCGTTTTTATCTCTGTGTGCACGGCTCTGCTC GCAGAGGGCATAACCTGGGTCCTGGTTTACAGGACAGACAAGTACAAGAGACTGAAGGCA GAAGTGGAAAAACAGAGTAAAAAATTGGAAAAGAAGAAGGAAACAATAACAGAGTCAGCT GGTCGACAACAGAAAAAGAAAATAGAGAGACAAGAAGAGAAACTGAAGAATAACAACAGA GATCTATCAATGGTTCGAATGAAATCCATGTTTGCTATTGGCTTTTGTTTTACTGCCCTA ATGGGAATGTTCAATTCCATATTTGATGGTAGAGTGGTGGCAAAGCTTCCTTTTACCCCT CTTTCTTACATCCAAGGACTGTCTCATCGAAATCTGCTGGGAGATGACACCACAGACTGT TCCTTCATTTTCCTGTATATTCTCTGTACTATGTCGATTCGACAGAACATTCAGAAGATT CTCGGCCTTGCCCCTTCACGAGCCGCCACCAAGCAGGCAGGTGGATTTCTTGGCCCACCA CCTCCTTCTGGGGAAGTCTCTTGAACTCAAGAACTCTNTATTTTCTATCATTCTTTCTAG ACACACACACATCAGACTGGCAACTGTTTTGTAGCAAGAGCCATAGGTAGCCTTACTACT TGGGCCTCTNNTCTAGTTTGAATATTTCTAAGCCTTTTGGGTATGATTAGAGTGAAAATG CAGNCAGCACTCTGTAGTGCTTTTGTCCTAGAGATTNNTATCAATANGG
Restriction Sites:	NotI-NotI
ACCN:	NM_019026
Insert Size:	4700 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_019026.2, NP_061899.1
RefSeq Size:	1421 bp

RefSeq ORF:	567 bp
Locus ID:	54499
UniProt ID:	Q9UM00
Cytogenetics:	1q24.1
Protein Families:	Transmembrane
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] Transcript Variant: This variant (1) encodes the longest isoform (a). Sequence Note: Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.