

## Product datasheet for **SC113883**

### TMCO3 (NM\_017905) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMCO3 (NM\_017905) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TMCO3  
**Synonyms:** C13orf11  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_017905 edited  
AAAGGGGCAGTGACTGCGGCTGGGCGGAGTCCGGGTCGGCTTGCTGAGCGGGGGCGG  
TGCTGGGCAGGGCGGCGCCCTCCCTCCCGACTCCCGGCTCCCGCCTCCCTGGTCC  
CGCTGGGAAGGATGCAAGGAAGCCCTCCGGCGCTGCGCTCCGAGGCGGAGACAGCGT  
CCCCCTCCGCCCTCGGGTCTGGCGCCTCAGAGCCCGGCCAGGCCGCGGAACGGTGAT  
GCTCGGGCCGACGGGCGGCGGATCCCTGCGTCCCGCTGAAAATGTGTGTCTGACAT  
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TGAAGGTGTTGGGAAGAAGCTTCTTCTGGGTGCTGTTTCCCGTCTTCCCTGGGCGGTGC  
AGGCTGTGGAGCACGAGGAGGTGGCGCAGCGTGTGATCAAAGTGCACCGGGGCGAGGGG  
TGGCTGCCATGCAGAGCCGGCAGTGGGTCCGGACAGCTGCAGGAAGCTCTCAGGGCTTC  
TCCGCCAGAAGAATGCAGTTCTGAACAACTGAAAAGTCAATTGGAGCAGTGGAGAAG  
ACGTGGGCTGTGCGATGAAGAGAACTGTTTCAAGGTGCACACGTTTGAATTTCCAGA  
AAGAGCTGAATGAAAGTAAAATTCGGTTTTCCAAGCTGTCTACGGACTGCAGAGAGCCC  
TGCAGGGGGATTACAAAGATGTCGTGAACATGAAGGAGAGCAGCCGGCAGCGCCTGGAGG  
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GTCTTAGCATGCTGATTGACTCCAGAAACCAACAGTATATTTTGACCAAGCCAGAGATT  
CAACCATCCCACGTGCAGATCACCACTTTATAAAGGACATTGTTACCATAGGAATGCTGT  
CCTTGCCCTTGTGGCTGGCTATGTACAGCCATAGGATTGCCTACAATGTTTGGTTATATTA  
TTTGTGGTGTACTTCTGGGACCTTCCAGGACTAAATAGTATTAAGTCTATTGTGCAAGTGG  
AGACATTAGGAGAATTTGGGGTGTTTTTACTCTTTTTCTTGTGGCTTAGAATTTTCTC  
CAGAAAAGCTAAGAAAGGTGTGGAAGATTTCTTACAAGGGCCGTGTACATGACTGT  
TAATGATTGCATTTGGCTTGTGTTGGGGCATCTCTTGGCGATCAAACCCACGCAGAGCG  
TCTTCATTTCCAGTGTCTGTCTTGTCAAGCACACCCCTCGTGTCCAGTTCTCATGG



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GCAGTGCTCGGGGTGACAAAGAAGGCGACATTGACTACAGCACCGTGCTCCTCGGCATGC
TGGTGACGCAGGACGTGCAGCTCGGGCTCTTCATGGCCGTATGCGGACTCTCATACAGG
CGGGCGCCAGTGCATCTTCTAGCATTGTCGTGGAAGTTCTCCGAATCCTGGTTTTGATTG
GTCAGATTCTTTTTCTACTAGCGCGGTTTTCTTTATGTCTTGTATAAAGAAGTATC
TCATTGGACCCTATTATCGGAAGCTGCACATGAAAGCAAGGGGAACAAAGAAATCCTGA
TCTTGGGAATATCTGCCTTATCTTCTTAATGTTAACGGTCACGGAGCTGCTGGACGTCT
CCATGGAGCTGGGCTGTTTCTGGCTGGAGCGCTCGTCTCCTCTCAGGGCCCCGTGGTCA
CCGAGGAGATCGCCACCTCCATCGAACCCATCCGCGACTTCTGGCCATCGTTTTCTTCG
CCTCCATAGGGCTCCACGTGTTCCCCACGTTTGTGGCGTACGAGCTCACGGTGCTGGTGT
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CACCTTGAATGTGGTGCCTGGATGTGCCTTTTTTTTTTTTTCCCTGAAATTATTATTAAT
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TTTAAAAATGTACAACCTCAGAATTATAATCTGTTAGTCAAATATTTGTTATTAACATT
TCTGTAATATGAAGTTGTAATCCTGGCCGTGAGCTTGAAGCTTACTTTTGATTCTTAAA
GCCTATGTTTTCTAAAAAGAGACAAATACGGATGTCTATTTGCCTTTTATTGTAACTTTT
AAATGAAATAATTTTCATGTCAATTTCTATTAGATATATCACTTAAATATTTGGTTTTAA
ATCACAAGAATATGTATTCTTTAATAAAGATAATTTATGATCATGGTAAAAAAAAAAAAA
AAA
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- Restriction Sites:** NotI-NotI
- ACCN:** NM\_017905
- Insert Size:** 3100 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:	<a href="#">NM_017905.3</a> , <a href="#">NP_060375.3</a>
RefSeq Size:	3063 bp
RefSeq ORF:	2034 bp
Locus ID:	55002
UniProt ID:	<a href="#">Q6UWJ1</a>
Cytogenetics:	13q34
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene encodes a member of the monovalent cation:proton antiporter 2 (CPA2) family of transporter proteins. Members of this family typically couple the export of monovalent cations, such as potassium or sodium, to the import of protons across cellular membranes. Mutations in this gene have been identified in patients with a rare inherited vision defect, cornea guttata with anterior polar cataract. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). 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.</p>