# Recombinant Human TMCO1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** TMCO1-3068H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | TMCO1 MS Standard C13 and N15-labeled recombinant protein (NP_061899) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | 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. |
| **Molecular Mass** | 21.2 kDa |
| **AA Sequence** | MSTMFADTLLIVFISVCTALLAEGITWVLVYRTDKYKRLKAEVEKQSKKLEKKKETITE SAGRQQKKKIERQEEKLKNNNRDLSMVRMKSMFAIGFCFTALMGMFNSIFDGRVVA KLPFTPLSYIQGLSHRNLLGDDTTDCSFIFLYILCTMSIRQNIQKILGLAPSRAATKQAG GFLGPPPPSGKFSTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | Stable for 3 months from receipt of products under proper storage and handling conditions. |

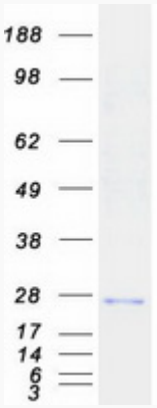
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| **Storage** | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. |
| **Concentration** | 50 μg/mL as determined by BCA |
| **Storage Buffer** | 100 mM glycine, 25 mM Tris-HCl, pH 7.3. |

## GENE INFORMATION

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| **Gene Name** | TMCO1 transmembrane and coiled-coil domains 1 [ Homo sapiens (human) ] |
| **Official Symbol** | TMCO1 |
| **Synonyms** | TMCO1; transmembrane and coiled-coil domains 1; PCIA3; TMCC4; HP10122; PNAS-136; calcium load-activated calcium channel; CLAC channel; Ca(2+) load-activated Ca(2+) channel; putative membrane protein; transmembrane and coiled-coil domain-containing protein 1; transmembrane and coiled-coil domains 4; xenogeneic cross-immune protein PCIA3 |
| **Gene ID** | 54499 |
| **mRNA Refseq** | NM_019026 |
| **Protein Refseq** | NP_061899 |
| **MIM** | 614123 |
| **UniProt ID** | Q9UM00 |

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| **SDS-PAGE** |  |



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