

Product datasheet for **SC321033**

TMEM165 (NM_018475) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM165 (NM_018475) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM165
Synonyms:	CDG2K; FT27; GDT1; SLC64A1; TMPT27; TPARL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018475.2
 GGGGGACTCCAGTTTAGCCGCCGCCGAGAGGACGGGCGCCGAGCCGGGGCTGCGGACTT
 CGGCCTGCCCCCTACCTCACTCCCGCTGCTTGACCTCCCGGATGGTGCTGACTGCTCCC
 TAAGCGGCGGGCGGCGGAGTCTGTAGGACGCGCCGCGGAGGCTGTTCCGGGTGAGGCT
 TCCCGTCGCGGCACTTCTCTTTCGCGCGCCGTGCGCGCCGGCCCGGCGAGGCGGGATG
 GCGGCCGCGGCTCCAGGGAACGGCCGCGCATCGCGCCCGGCTGCTTCTGCTCTTTCTG
 GTTCCGCTGCTGTGGGCCCGGCTGCGGTCCGGCCGGCCAGATGAAGACCTTAGCCAC
 CGGAACAAAGAACCGCCGCGCCGCCAGCAGCTGCAGCCGCAGCCTGTGGCTGTGCAG
 GGCCCGAGCCGCGCCGGTTCGAGAAAATATTTACACCAGCAGCTCCAGTTCATACCAAT
 AAAGAAGATCCTGCTACCCAACTAATTTGGGATTTATCCATGCATTTGTCGCTGCCATA
 TCAGTTATTATTGTATCTGAATTGGGTGATAAGACATTTTTATAGCAGCCATCATGGCA
 ATGCGCTATAACCGCTGACCGTGTGGTGGTGAATGCTTGCCTTGGGACTAATGACA
 TGCTTGTGAGTTTTGTTGGCTATGCCACCACAGTCATCCCAGGCTTATACATACTAT
 GTTTCAACTGTATTATTTGCCATTTTGGCATTAGAATGCTTCGGAAGGCTTAAAGATG
 AGCCCTGATGAGGTCAGAGGAACTGGAAGAAGTTCAAGCTGAATTAAGAAGAAAGAT
 GAAGAATTTCAACGAACCAAACTTTTAAATGGACCGGGAGATGTTGAAACGGGTACAAGC
 ATAACAGTACCTCAGAAAAAGTGGTTGCATTTATTTACCCATTTTGTTCAGCTCTT
 ACATTAACATTCTTAGCAGAATGGGTGATCGCTCTCACTAACTACAATTGTATTGGCA
 GCTAGAGAGGACCCCTATGGTGTAGCCGTGGGTGGAAGTGTGGGCACTGCCTGTGCACG
 GGATTGGCAGTAATTGGAGGAAGAATGATAGCACAGAAAATCTCTGTGAGAACTGTGACA
 ATCATAGGAGGCATCGTTTTTTGGCGTTTGCATTTTCTGCACTATTTATAAGCCCTGAT
 TCTGGTTTTTAAAGCTGTTTGTTCATCTATATTTAGTTTAAATAGGTAGTATTATCT
 TTCTGTACATAGTGTACATTACAATAAAAGTATGGAATAACTGTATTTTGTAGCAC
 TGATTTTGTGAGTTTGACCCATTATTATGTCTGAGATATAATCATTGATTCTATTTGTAA
 CAAGGAGTTTTTAAAGAAACCTGACTTCTAAGTGTGGTTTTTCTCTCTCCAACATAAT
 TATGTTAATATGGTCCTCATTTTTCTTTTGGTGCAGAACCGTTGTGAGTGGGTCTACC
 ATGCAATTTTCTTCAGCACTGACCCCTTTTAAAGGAATACAAATTTCTCCTTCATCAC
 TTAGGTGTTTTAAGATGTTTACCTTAAAGTTTTCTTGGGAAAGAATGAATTAATTTCT
 ATTTCTTAAACATTTCCCTGAGCCAGTAAACAGTAGTTTAAATCATTGGTCTTTTCAAAA
 CTAGGTGTTTAAAAAAGAGACATATATGATATTGCTGTTATATCAATAACATGGCACAA
 CAAGAACTGTCTGCCAGGTCACTTCTCTCTTTTTTTTTTAATTGGGTAGGACACCCAA
 TATAAAAACAGTCAATATTTGACAATGTGGAATTACCAATTAAGAGAAATACTATGAA
 TGTATTCAATTTTTCTATATTGAATAAACAATGTAACATAGATAACAATATAAATAAA
 AGTGGTATGACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_018475

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: [NM_018475.2](#), [NP_060945.2](#)

RefSeq Size: 1715 bp

RefSeq ORF: 975 bp

Locus ID: 55858

UniProt ID: [Q9HC07](#)

Cytogenetics: 4q12

Domains: UPF0016

Protein Families: Transmembrane

Gene Summary: This gene encodes a predicted transmembrane protein with a perinuclear Golgi-like distribution in fibroblasts. Mutations in this gene are associated with the autosomal recessive disorder congenital disorder of glycosylation, type IIk. Knockdown of this gene's expression causes decreased sialylation in HEK cells and suggests this gene plays a role in terminal Golgi glycosylation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]
Transcript Variant: This variant (1) represents the shorter transcript.