

Product datasheet for SC113448

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; TPRL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113448 sequence for NM_018475 edited (data generated by NextGen Sequencing)

```

ATGGCGGCCGCGCTCCGGGGAACGGCCGCGCATCGGCGCCCCGGCTGCTTCTGCTCTTT
CTGGTTCCGCTGCTGTGGGCCCGGCTGCGGTCCGGGCCGCCAGATGAAGACCTTAGC
CACCGGAACAAAGAACCGCCGCGGCCGAGCAGCTGCAGCCGAGCCTGTGGCTGTG
CAGGGCCCCGAGCCGCGCCGGTGCAGAAAAATTTACACCAGCAGCTCCAGTTTCATACC
AATAAAGAAGATCCTGCTACCCAACTAATTTGGGATTTATCCATGCATTTGTCGCTGCC
ACATCAGTTATTATTGTATCTGAATTGGGTGATAAGACATTTTTATAGCAGCCATCATG
GCAATGCGCTATAACCGCCTGACCGTGCTGGCTGGTCAATGCTTGCTTGGGACTAATG
ACATGCTTGTGAGTTTTTTGGCTATGCCACCACAGTCATCCCCAGGGTCTATACATAC
TATGTTTCAACTGTATTATTTGCCATTTTGGCATTAGAATGCTTCGGGAAGGCTTAAAG
ATGAGCCCTGATGAGGTCAAGAGGAAGTGAAGAAGTTCAAGCTGAATTAAGAAGAAA
GATGAAGAATTTCAACGAACCAACTTTTAAATGGACCGGAGATGTTGAAACGGGTACA
AGCATAACAGTACCTCAGAAAAAGTGGTGCATTTTATTTACCCATTTTGTTCAGCT
CTTACATTAACATTCTTAGCAGAATGGGTGATCGCTCTCACTAACTACAATTGTATTG
GCAGCTAGAGAGGACCCCTATGGTGTAGCCGTGGGTGGAAGTGTGGGGCACTGCCTGTG
ACGGGATTGGCAGTAATTGGAGGAAGAATGATAGCACAGAAAACTCTGTGCAGAACTGTG
ACAATCATAGGAGGCATCGTTTTTTGGCGTTTGCATTTTCTGCACTATTATAAGCCCT
GATTCTGGTTTTTAA
  
```

Clone variation with respect to NM_018475.3
 18 a=>g;302 t=>c


[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018475 unedited
 GGGTTCAGATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGAGAGGCCTCGTGCC
 GAATTCGGCACGAGGGGAGAGGACGGGCGCCGAGCCGGGGCTGCGGACTTCGGCCTGCC
 CTCACCTCACTCCCGTGCTTGCACCTCCCGGATGGTGCTGACTGCTCCCTAAGCGGCGG
 CGGCGGCGAGTCGTGAGGACGCGCCGCGGAGGCTGTTCCGGGTCGAGGCTTCCCGTCGCC
 GGCACTTCTCTTGCGGCGCCGTCGCGGCGCCGCGGAGGCGGGATGGCGGCCGCGG
 CTCCGGGGAACGGCCGCGCATCGGCGCCCGGCTGCTTCTGCTCTTTCTGGTTCCGCTGC
 TGTGGGCCCCGGCTGCGGTCCGGGCGGCCAGATGAAGACCTTAGCCACCGGAACAAAG
 AACCGCCGGCGCGGCCAGCAGCTGCAGCCGAGCCTGTGGCTGTGCAGGGCCCCGAGC
 CGGCCCCGGGTCGAGAAAAATTTACACCAGCAGCTCCAGTTCATACCAATAAAGAAGATC
 CTGCTACCCAACTAATTTGGGATTTATCCATGCATTTGTCGCTGCCACATCAGTTATTA
 TTGTATCTGAATTGGGTGATAAGACATTTTTATAGCAGCCATCCATGGCAATGCGCTAT
 AACCGCTGACCGTGCTGGCTGGTGCAATGCTTGCCTGGGACTAATGACATGCTTGTC
 GTTTTGTGGTATGCCACCACAGTCATCCCCAGGGTCTATACATACTATGTTTCAAC
 TGTATTATTTGCCATTTTTTGGCATTANAATTGCTCCGGGAAAGCCTTACAGATGACCCC
 TGATGAGGTCACGAGGACCTGCGAGAAAGTCAGCCTGATTAAAGAAGAAAGATGACAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018475 unedited
 TAGAGTCGAGTTTTTTTTTTTTTTTACTGGTCATACCACTTTTATTTATATTGTTAT
 CTATGTTACATTGTTTATTCAATATAGAAAAATATGAATACATTCATAGTATTCTCTTT
 TAATTTGGTAATCCACATTGTCAAATATTGACTGTTTTTATATTGGGTGCTCACC
 TTAAGGAGGAGGAAGAATGACCTGGCAGACAGTTCTTGTGTGCCATGTTATTGAT
 ATAACAGCAATATCATATATGTCTCTTTTTTAAACACCTAGTTTGAAGAGCAATGA
 TTAACTACTGTTTACTGGCTCAGGGAATGTTTTAAGAAATAGAAATTAATTCATTCTT
 TCCCCAAGAAAACTTTAAGGTAACATCTTAAACACCTAAGTGATGAAGGAGAAAACT
 TGTATTCCTTAAAAAGGGGTGAGTGTGAAAGAAATGTCATGGTAGACCCCACTGCACA
 ACGGTTCTGCACCAAAAGAAAAATGAGGACCATATTAACATAATTATGTTGGAGAGA
 AAACCCACACTTAGAAGTCAGGTTTCTTTTAACTNCTTGTACAATAGAATCATGATT
 ATATCTCAGACATAAATGGGTCAAATCAGGCTACAAAAATACAGNATTT
 TTCCATCACTTTTAGTTGCACTGTACACTATGTACAGAAAGATAATACTACCTTATTTAA
 CCTAATATAGATGAACAACCGCGTTAAACAGAAATACGGCTATAAATAGTGCAGAAAA
 TGCAACGCAAAAAACGATGCCTCCTTGATTGTACAGTTCTGACGAAATTTTTGGGGCT
 TCATTCTTTCTCAATACTGCCATTCCGTGCCAAGCAATGCCCAAAGTTACACACGGTCC
 CATAAGGTTCTTTTANCGCAACCACTGTAGTATTTGAACGCACCCATCTGTTANAA
 TGTATGTAGACGTGAACAAATGGGAAAAATGCCACCTTTTGGAGCCGTTAGCTTACCCT
 TCACCTCCGCCCTAAAGATGGTCG

Restriction Sites:

NotI-NotI

ACCN:

NM_018475

Insert Size:

1830 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).

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_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.