

Product datasheet for **SC334174**

TMEM185A (NM_001282302) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM185A (NM_001282302) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM185A
Synonyms:	CXorf13; ee3; FAM11A; FRAXF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282302, the custom clone sequence may differ by one or more nucleotides

ATGAACCTGAGGGGCTCTTCCAGGACTTCAACCCGAGTAAATTCCTCATCTATGCCTGTCTGCTGCTGT
 TCTCTGTGCTGCTGGCCCTTCGTTTGGATGGCATCATACAGTGGAGTTACTGGGCTGTCTTTGCTCCAAT
 ATGGCTGTGGAAGTTAATGGTCATTGTTGGAGCCTCAGTTGGAAGTGGAGTCTGGGCACGAAATCCTCAA
 TATCGAGCAGAAGGAGAAACGTGTGTGGAGTTTAAAGCCATGTTGATTGCAGTGGGCATCCACTTGCTCT
 TGTTGATGTTTGAAGTTCTGGTCTGTGACAGAATCGAGAGAGGAAGCCATTTCTGGCTCCTGGTCTTCAT
 GCCGCTGTTCTTTGTTTCCCGGTGTCTGTTGCAGCTTGCCTTTGGGGCTTCGACATGACAGGTCCTA
 GAGTTAGAAATCCTGTGTTCTGTCAACATTCTCCAGTTTATATTCATTGCCTTAAGACTGGACAAGATCA
 TCCACTGGCCCTGGCTTGTATGTAACTTT**TAA**

Restriction Sites:	SgfI-MluI
ACCN:	NM_001282302
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).


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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_001282302.1](#), [NP_001269231.1](#)

RefSeq Size: 1144 bp

RefSeq ORF: 522 bp

Locus ID: 84548

UniProt ID: [Q8NFB2](#)

Cytogenetics: Xq28

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene is predicted to be a transmembrane protein. This gene is best known for localizing to the CpG island of the fragile site FRAXF. The 5' untranslated region of this gene contains a CGG trinucleotide repeat sequence that normally consists of 7-40 tandem CGG repeats but which can expand to greater than 300 repeats. Methylation of the CpG island leads to transcriptional silencing of this gene, but neither the silencing nor an expanded repeat region appear to manifest itself in a clear phenotypic manner. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been defined on the X chromosome. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (3) lacks several exons and its 3'-terminal exon extends past a splice site that is used in variant 1. The encoded isoform (3) has a shorter and distinct C-terminus, compared to isoform 1.