

## Product datasheet for **SC333727**

### TMEM188 (CNEP1R1) (NM\_001281789) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM188 (CNEP1R1) (NM_001281789) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM188
Synonyms:	C16orf69; NEP1-R1; NEP1R1; TMEM188; TMP125
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333727 representing NM_001281789. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGAACCTCGCTGGAGCAGGCGGAAGATCTCAAGGCTTTGAGAGGAGACTTACTGAATATATTCATTGT  
 TTGCAACCTGCTACTGGACGCTGGAGAATGCTTCTTATAGTGGTATCTGTCTGTACAGCTACTGGTGCC  
 TGGAACTGGTTAATAGACCCTGAGACACAAAAGGTGTCCTTCTTCACATCATTATGGAATCACCCATTT  
 TTCACCATTAGCTGTATCACTCTAATAGGCTTGTCTTTGCTGGAATACACAAGAGAGTAGTTGCACCA  
 TCAATTATAGCTGCTCGATGTGAACGGTATTAGCAGAATACAATATGTCTTGATGATACAGGAAAA  
 CTAATTTTGAACCTAGGCCTCATGTTCA**TA**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001281789
Insert Size:	378 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).


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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\\_001281789.1](#)

**RefSeq Size:** 2150 bp

**RefSeq ORF:** 378 bp

**Locus ID:** 255919

**UniProt ID:** [Q8N9A8](#)

**Cytogenetics:** 16q12.1

**MW:** 14.3 kDa

**Gene Summary:** This gene encodes a transmembrane protein that belongs to the Tmemb\_18A family. A similar protein in yeast is a component of an endoplasmic reticulum-associated protein phosphatase complex and is thought to play a role in the synthesis of triacylglycerol. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]  
 Transcript Variant: This variant (2, also known as ERAdP) lacks an in-frame exon in the coding region compared to variant 1. The encoded isoform (2) is shorter compared to isoform 1.