

## Product datasheet for **SC306538**

### TMEM74 (NM\_153015) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM74 (NM_153015) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM74
Synonyms:	NET36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306538 representing NM_153015. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGGAGCTCCACTACCTTGTCTAAGAAGAGCAACCAGGCAGACCTCTGTGATGCCAGGGACTGGAGTTCA
AGAGGGCTGCCTGGTGACCAGGCAGATACAGCAGCCACAAGAGCTGCTCTCTGCTGTGAGAAACAGTGT
GCATCCACCCCAAGAGCAACCGAGATGGAAGGGTCTAACTTAGTTCTTCTCCAGCATCCCCCTCCTCC
TCTCTGAAAACAGTACTCTTCAGCCAGATGCCTTCCACCAGGACTTCTCCACTCAGGGAACAACCAA
ATAACAGCGGAACGGAAGTCTGTAAGTCTGCACTGCTGCAGCCAGGAATTAGAAACTTCTTTACCTATGTGGAC
AAAAACATCAACTTGGAGCAGCGGAACCGGAGCTCGCCATCAGCAAAGGGCATAATCACCTGGGGAG
CTTGGCTGGGAAAATCCAAATGAGTGGTCCCAAGAGGCTGCCATATCTTTGATATCTGAAGAGGAGGAT
GATACAAGTTCAGAAGCCACGTCTTCAGGGAAGTCTATAGACTATGGTTTCATCAGCGCCATCTTGTTTC
TTGGTCACTGGGATCCTGCTCGTGATCATCTTACATCGTCCCACGGGAAGTACTGTGGACCCCAAC
ACTGTGGCAGCCCGGGAGATGGAGCGCCTGGAGAAGGAGAGTGCAGGGCTGGGGGCTCACCTGGACCGC
TGTGTGATTGCGGGGCTCTGCCTCCTCACGCTGGGGGGCGTCATCCTGTCTGCTGTTAATGATGTCC
ATGTGGAAGGGGGAGCTCTATCGTCGAAACAGATTTGCCTCTTCCAAAGAGTCTGCAAAACTCTATGGT
TCTTTCAACTTCAGGATGAAAACCAGCAGCAATGAAAACACTCTGGAAGTGTCTTGGTAGAGGAAGAT
CGCCTTGCTGTACAGAGTTAA
ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_153015
Insert Size:	918 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_153015.2</a></u>
<b>RefSeq Size:</b>	6302 bp
<b>RefSeq ORF:</b>	918 bp
<b>Locus ID:</b>	157753
<b>UniProt ID:</b>	<u><a href="#">Q96NL1</a></u>
<b>Cytogenetics:</b>	8q23.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	33.3 kDa
<b>Gene Summary:</b>	Plays an essential role in autophagy. TMEM74-induced autophagy may involve PI3K signal transduction.[UniProtKB/Swiss-Prot Function]