

## Product datasheet for SC317327

### TMEM204 (NM\_024600) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TMEM204
Synonyms:	C16orf30; CLP24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317327 representing NM_024600. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGAGATCTGCCGCCGCGATCGCC
ATGACCGTGCAGAGACTCGTGGCCGCGGCCGTGCTGGTGGCCCTGGTCTCACTCATCCTCAACAACGTG
GCGGCCCTTCACTCCAACCTGGGTGTGCCAGACGCTGGAGGATGGGCGCAGGCGCAGCGTGGGGCTGTGG
AGGTCTGCTGGCTGGTGGACAGGACCCGGGGAGGGCCGAGCCCTGGGGCCAGAGCCGGCCAGGTGGAC
GCACATGACTGTGAGGCGCTGGGCTGGGGCTCCGAGGCAGCCGGCTTCCAGGAGTCCCGAGGCACCGTC
AACTGCAGTTCGACATGATGCGCGCCTGCAACCTGGTGGCCACGGCCGCGCTCACCGCAGGCCAGCTC
ACCTTCTCTGGGGCTGGTGGGCTGCCCTGCTGTACCCGACGCCCGTGTGGGAGGAGGCCATG
GCCGCTGCATTCCAACCTGGCGAGTTTGTCTGGTGTATCGGGCTCGTGACTTTCTACAGAATTGGCCCA
TACACCAACCTGTCTGTCTGTACCTGAACATTGGCGCTGCCTTCTGGCCACGCTGGCGGCAGCC
ATGCTCATCTGGAACATTCTCCACAAGAGGGAGGACTGCATGGCCCCCGGGTATTGTATCAGCCGC
TCCCTGACAGCGCGCTTTCGCGTGGGCTGGACAATGACTACGTGGAGTCAACATGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_024600
Insert Size:	681 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)



<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_024600.5</u>
<b>RefSeq Size:</b>	1868 bp
<b>RefSeq ORF:</b>	681 bp
<b>Locus ID:</b>	79652
<b>UniProt ID:</b>	<u>Q9BSN7</u>
<b>Cytogenetics:</b>	16p13.3
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	24.5 kDa
<b>Gene Summary:</b>	<p>C16ORF30 plays a role in cell adhesion and cellular permeability at adherens junctions (Kearsey et al., 2004 [PubMed 15206924]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants encode the same protein.</p>