

## Product datasheet for **SC320888**

### **C7orf42 (TMEM248) (NM\_017994) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C7orf42 (TMEM248) (NM_017994) Human Untagged Clone
Tag:	Tag Free
Symbol:	C7orf42
Synonyms:	C7orf42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_017994.4  
 GGGGACCCGAAACCGCGGTTGCCGGAGCCGAAGTGAAGCGCGCGGGAGCCCGGTTG  
 GCGTCTGGTCTTCGCGTCGGCCCCGCGGAGCCAGACGCTGCCCGGCGCGGGGAGAAGA  
 TGGTGCCTAGCGGCTCGGGCCCCACGCGCCGACGAGTGAAGCCAGCGGACCCGCG  
 GGGCTCCGCCGAGCAGCTGGCCCCGCTGGGCCCGGGCGCGCAGCTGCCCGCGGGGCGG  
 GGTGGAGCTGATCAGAATAATGTTCAAGCATCAACCCCTGGAGAACCTGAAGGTGTACAT  
 CAGCAGTCGGCCCTCCCTGGTGGTCTTCATGATCAGCGTAAGCGCCATGGCCATAGCTTT  
 CCTGACCCTGGGCTACTTCTTCAAATCAAGGAGATTAATCCCCAGAAATGGCAGAGGA  
 TTGAATACTTTTCTGCTACGGTTCAATGATTTGACTTGTGTATCAGAGAATGAAAC  
 CCTCAAGCATCTCACAACGACACCACAACCTCCGAAAGTACAATGACCAGCGGGCAGGC  
 CCGAGCTTCCACCAGTCCCCCAGGCCCTGGAGGACTCGGGCCCGGTGAATATCTCAGT  
 CTCAATCACCTAACCTGGACCACTGAAACCCTTCGGAGGGTATTCGCAACGTCAC  
 CCATCTGACTCAACCATCTTAGGCATCAGATTGGACTTTCAGGCAGGAAGCCACGA  
 GGAGATAAACATCACCTCACCTGCCTACAGCGTGGAGCTCAGATGACTGCGCCCTCA  
 CGGTCACTGTGAGCAGGTGATTACAGCCTGCATGACCCTCACGGCCAGCCCTGGGT  
 GTTCCCCGTCACTGTACAGCCACCGCACTGTGTTCTGACACGTACAGCAACGCCACGCT  
 CTGGTACAAGATCTTCAAACTGCCAGAGATGCCAACACAAAATACGCCAAGATTACAA  
 TCTTTTCTGGTGTATAAGGGGGCCATTGAAAAGTCTATCATGCTTTAAATCCCAGCT  
 TACAGTGATTGTTCCAGATGATGACCGTTCATTAATAAATTTGCATCTCATGCACACCAG  
 TTACTTCTCTTTGTGATGGTGATAACAATGTTTTGCTATGCTGTTATCAAGGGCAGACC  
 TAGCAAATTCGCTCAGAGCAATCCTGAATTTTGTCCCAGAAAGGTGGCTTTGGCTGAAGC  
 CTAATTCACAGCTCCTTGTTTTTGGAGAGACTGAGAGAACCATAATCCTTGCCTGCT  
 GAACCCAGCCTGGGCTGGATGCTCTGTAATACATTATCTTGGATGTTGGGTTATTCC  
 AGCCAAAAGACATTTCAAGTGCCTGTAACGTATTGTTACATATTTATAAAAATCTATTCA  
 AAATTGGTCCAATAATGCACGTGCTTTCCTGGGTACAGCCAGAGCCCTTCAACCCAC  
 CTTGGACTTGAGGACCTACCTGATGGGACGTTTCCACGTGCTCTAGAGAAGGATTCTG  
 GATCTAGCTGGTCAGCAGATGTTTTACCAAGGTACAGGAGCATTGCGTCGCTGATGG  
 GGTGAAGTTGGTTGGTTCTTGTTCAGCCCAATGTAGAGAACATTTGAAACAGTC  
 TGCACCTTTGATACGGTATTGCATTTCAAAGCCACCAATCCATTTTGTGGATTTATGT  
 GTCTGTGGCTTAATAATCATAGTAACAACAATAATACCTTTTTCTCCATTTTGTTCGAG  
 GAAACATACCTTAAGTTTTTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTCTTTA  
 TGAAGAAAAAATAAATAGTCACATTTTAACTAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_017994

**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 [custsupport@origene.com](mailto:custsupport@origene.com) 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>RefSeq:</b>	<u><a href="#">NM_017994.4</a></u> , <u><a href="#">NP_060464.1</a></u>
<b>RefSeq Size:</b>	4238 bp
<b>RefSeq ORF:</b>	945 bp
<b>Locus ID:</b>	55069
<b>UniProt ID:</b>	<u><a href="#">Q9NWD8</a></u>
<b>Cytogenetics:</b>	7q11.21
<b>Protein Families:</b>	Transmembrane