

## Product datasheet for **SC113786**

### **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:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017994, the custom clone sequence may differ by one or more nucleotides

```
ATGTTTCAGCATCAACCCCTGGAGAACCTGAAGGTGTACATCAGCAGTCGGCCTCCCCTGGTGGTCTTCA
TGATCAGCGTAAGCGCCATGGCCATAGCTTTCCTGACCCTGGGCTACTTCTCAAATCAAGGAGATTAA
ATCCCCAGAAATGGCAGAGGATTGGAATACTTTCTGCTACGGTTCATGATTTGGACTTGTGTATCA
GAGAATGAAACCCCTCAAGCATCTCACAACGACACCACAACCTCCGAAAGTACAATGACCAGCGGGCAGG
CCCGAGCTTCCACCCAGTCCCCCAGGCCCTGGAGGACTCGGGCCGGTGAATATCTCAGTCTCAATCAC
CCTAACCCCTGGACCCACTGAAACCCCTTCGGAGGGTATTCCGCAACGTCACCCATCTGTACTCAACCATC
TTAGGGCATCAGATTGGACTTTCAGGCAGGGAAGCCACGAGGAGATAAACATCACCTTACCCTGCCTA
CAGCGTGGAGCTCAGATGACTGCGCCCTCCACGGTCACTGTGAGCAGGTGGTATTACAGCCTGCATGAC
CCTCACGGCCAGCCCTGGGGTGTCCCCGTCACTGTACAGCCACCGCACTGTGTTCTGACACGTACAGC
AACGCCACGCTCTGGTACAAGATCTTCACAACGCCAGAGATGCCAACACAAAATACGCCAAGATTACA
ATCCTTTCTGGTGTATAAAGGGGCCATTGAAAAGTCTATCATGCTTTAAATCCCAAGCTTACAGTGAT
TGTTCCAGATGATGACCGTTCATTAATAAATTTGCATCTCATGCACACCGATTACTTCTCTTTGTGATG
GTGATAACAATGTTTTGCTATGCTGTTATCAAGGGCAGACCTAGCAAATTGCGTCAGAGCAATCCTGAAT
TTTGTCCCGAGAAGGTGGCTTTGGCTGAAGCCTAA
```



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_017994 unedited  
 GTTTTGA AACCGACTTTTATGGGCGGCCGCGCATT CGGCACGAGGGCCGGAGCCCGAACT  
 GAGGCGGCGGGGAGCCCGTTGGCGTCTGGTCTTCGCGTCGGCCCCGGGAGCCAGAC  
 GCTGCCCCGGCGCGGGGAGAAGATGGTGCCGAGCGGCCCTGGGCCCCGCCACGCGCCGCC  
 ACGAGTGAGCCCAGCGCACCCGCGGGCGTCTTCGAGCAGCTGGCCCCGGTGGGCCCGGG  
 GCGGCGAGCTGCCCGCCGGGCGGGGTGGAGCTGATCAGAATAATGTTT CAGCATCAACCC  
 CCTGGAGAACCTGAAGGTGTACATCAGCAGTCGGCCTCCCCTGGTGGTCTTCATGATCAG  
 CGTAAGCGCCATGGCCATAGCTTTCCTGACCCTGGGCTACTTCTTCAAAATCAAGGAGAT  
 TAAATCCCCAGAAATGGCAGAGGATTGGAATACTTTTCTGCTACGGTTCAATGATTTGGA  
 CTTGTGTGTATCAGAGAAATGAAACCCTCAAGCATCTCACAAACGACACCACAACCTCCGGA  
 AAGTACAATGACCAGCGGGCAGGCCGAGCTTCCACCCAGTCCCCCAGGCCCTGGAGGA  
 CTCGGGCCCGGTGAATATCTCAGTCTCAATCACCTAACCTGGACCCACTGAAACCCTT  
 CGGAGGGTATCCCGNCACGTACCCATCTGTACTCAACCATCTTAGGGCATCAGATTGG  
 ACTTTCAGGCAGGAAGCCACGAGGAGATAAACATCACCTTACCCTGCCTACAGCGTG  
 GAGCTCAGATGACTGCGCCTCCACGTCACTGTGAGCAGGTGGTATTACAGNCTGCATG  
 ACCCTCACGNCAGCCTGGGGTGTNCCCGTCACTGTACAGNCACCGNACTGGTGTNNCT  
 GAACGTACAGCAACGC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_017994 unedited  
 CCGCGNGGGCCCCCNACCCCTCATCCCCCTGTTTTTGACTTGCACCGCGCCGTTTTCT  
 AGGATCGAGTTTTTTTTTTTTTTTTTAACTATAGTAGTATTAATGTGACTATTTTAT  
 TTTTTCTCATAAAGGAAAAACAAAAACAAAAACAAAAACAAAAACAAAAAACTTAA  
 GGTATGTTTCTGCAAGCAAAATGGAGAAAAAGGTATTATTGTTGCTACTATGATTATTA  
 AGCCACAGACACATAAAATCCACAAAATGGATTGGTGGCTTTGGAATGCAATACCGTAT  
 CAAAGGTGCAGACTGTTCCAAATGTTCTCTACATATTGGGCTGAAAACAAGAACCAACCA  
 AACTTCAACCCCATCAGCGACGCAATGCTCCTGTGACCTTGGTGAACATCGTCGTGAC  
 CAGCTAGATCCAGGAATCCTTCTCTAGAGACACGTGGAACGTCCCATCAGGTAGGTCT  
 CAAGCCCAAGGTGGGGTTGAAGGGCTCTGGCTGTACCCAGGGCAAAGCACGTGCATTATT  
 GGACCAATTTCTGAATAGATTTTTATAAATATGTACAAATCAGTTACAGGCACCTGAAAT  
 GTCTTTGGCTGGAATAACCCAACATCGCACGATAATGTATTTACCAGAGCATCCAGGCC  
 AGGCTGCGTTACCAGGCAAGGATTATGGTTTCTCTCAATCTCTCAAAAACAACGAGC  
 TCGGGAATTACGCTTACGCCAAAAGTACCTTCTTCGGGACAAAATTCAAGATTGCTCTGA  
 CGCAATTTGCTAGGTCTGCCCTTGAAACCACCTAGCAAAAAATTGTTATCACCATCACA  
 CAAGAGAACGCCACTGGTGTGCCTGAGAAGCCAAATTATTAATGAACGTTATTAATCTG  
 GAAAATCACTGAAAGCTTGAATTTAAAGCC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_017994

**Insert Size:**

1910 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 [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](#)

**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).

**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\\_017994.3](#), [NP\\_060464.1](#)

**RefSeq Size:** 4238 bp

**RefSeq ORF:** 945 bp

**Locus ID:** 55069

**UniProt ID:** [Q9NWD8](#)

**Cytogenetics:** 7q11.21

**Protein Families:** Transmembrane