

## Product datasheet for **SC105247**

### **C1orf57 (NTPCR) (NM\_032324) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf57 (NTPCR) (NM_032324) Human Untagged Clone
Tag:	Tag Free
Symbol:	C1orf57
Synonyms:	C1orf57; HCR-NTPase; THEP1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC105247 sequence for NM_032324 edited (data generated by NextGen Sequencing)

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ATGGCCCGGCACGTGTTCTTAACGGGGCCCCAGGAGTTGAAAAACAACATTGATCCAT
AAAGCCAGTGAGGTTTTAAAATCCTCTGGTGTGCCTGTTGATGGATTTTATACCGAAGAA
GTCAGACAGGGAGGAGAAGAATAGGATTCGATGTCGTCACGTTGTCCGGCACCCGGGGG
CCTTTATCGAGAGTTGGGTTAGAGCCTCCACCTGGAAAACGTGAATGCCGAGTTGGGCAG
TATGTGGTCGACCTGACTTCTTTGAGCAGTTGGCACTACCCGTCTTGAGGAATGCCGAC
TGCAGCAGTGGCCAGGGCAAAGAGTGTGCGTCATCGATGAGATTGGGAAGATGGAGCTC
TTCAGTCAGCTTTTCATTCAAGCTGTTTCGTCAGACGCTGTCTACCCAGGGACTATAATC
CTTGGCACAATCCAGTTCCTAAAGGAAAGCCACTGGCTCTTGTAGAAGAAATCAGAAAC
AGAAAGGATGTGAAGGTGTTAATGTCACCAAGGAAAACAGAAACCACCTTCTGCCAGAT
ATCGTGACGTGCGTGCAGAGCAGCAGGAAGTGA

```

Clone variation with respect to NM\_032324.1



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_032324 unedited  
 GTCAGTATTTGTATACGACTCATATAGGGCGGCCGCGATTCCGGCAGGAGCGACCCCTGGT  
 CCGGACCTGACCTGAATTGCGACCCCAACCTGGACTGCTCCCCTGACCGCAACCCCTACC  
 CCCGCCACCAGTATGGCCCGGCACGTGTTCTAACGGGGCCCCAGGAGTTGGAAAAAC  
 AACATTGATCCATAAAGCCAGTGAAGTTTTAAATCCTCTGGTGTGCCTGTTGATGGATT  
 TTATACCGAAGAAGTCAGACAGGGAGGGAGAAGAATAGGATTTCGATGTCGTCACGTTGTC  
 CGGCACCCGGGGCCTTTATCGAGAGTTGGTTAGAGCCTCCACCTGAAAAACGTAATG  
 CCGAGTTGGCAGTATGTGGTCGACCTGACTTCTTTTGAGCAGTTGGCACTACCCGCTTT  
 GAGGAATGCCGACTGCAGCAGTGGCCAGGGCAAAGAGTGTGCGTCATCGATGAGATTGG  
 GAAGATGGAGCTCTTCAGTCAGCTTTTCATTCAAGCTGTTGTCGACAGCGTGTCTACCCC  
 AGGGACTATAATCCTTGGCACAATCCCAGTTCTAAAGGAAAGCCACTGGCTCTTGTA  
 AGAAATCAGAAACAGAAAGGATGTGAAGGTGTTAATGTCACCAAGGAAAAACAGAACCCA  
 CCTTCTGCCAGATATCGTGACGTGCGTGCAGAGCAGCAGGAAGTGAAGACACGTGCATTC  
 CTGCCTCCGTGAAGGAGTGCCAGNTCAAGAGGAGCCTGATGGAGCCCTGCCTGTGAG  
 GCTGTATGCCTATGGNGTTATGGAACCTTGTGGGCTTTTCTAGAGAACTCACAGCTGGT  
 TCCATAAATGTTTAAAAGATCAATTAGCCTTATGCTGGATTGCCTGTACCAGATAACTA  
 TTCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_032324 unedited  
 TTGGCCGCGCCGCATCTATAGTGAGTTTTTTTTTTTTTTTTTTTCAAATTTATTTTTATA  
 TTTATTAAGCAGTAAGCAAACAGATTGGGGGAGATGACCTAAAATGGTTTTCTTTGGAA  
 TAATATTTTTTAAAAAATCAAATAACTGTTATCACTTTAAGTTGCATGAGGCTGAAGCTG  
 CACCTGGAGAGGAATTTAATTTTCATGACATGCAAACTGATTAGGCAGTGAACCTTTTC  
 CTCCCCTTCCCCTGAACACATTTATAAACTTCAACGGGGGTGAATTCCATCTAATACTC  
 TGAAAACCATTTCTCATCTCACAGTTTACCCAAATCATGTGCATGACTGCAAGAGGAAAT  
 AAACAAGAAATCTTTAAGCATAGATAAGCCACAATGGATAGTTAATCTTGTACAGACAAT  
 CCAGCATTAAAGGCTAATTTGATCTTTTAAACATTTTATGGGAAACAGCTGTTGAGTTTTTC  
 TCTAGAAAAGCCACAAGGTTCCATAACCCCATAGGCATACAGCCTCGACAGGCAGGGCT  
 CCATCAGGCTCCTCTTGAAGTGGCACTCCTTACGGAAGGCAGGAATGCACGTGTCTTC  
 ACTTCTGCTGCTCTGCACGCACGTACGATATCTGGCAGAAGGTGGNGTTCTGTTTTCC  
 TTGGTGACATTAACACCTTACATCCTTTCTGTTCTGATTTCTTCTACAAGAGCCAGT  
 GGCTTTTCTTTAGAACTGGGATTGTGCCAGGNATTATAGTCCCTGGGGTAGACAGCGTCT  
 GACAACAGCTCGAATGAAAGCTGACTGAAGAGCTCCATCTTCCCCTCTCATCGATGACGC  
 ACACTCTTTGCCCTGGCCACTGCTGCAGTCGGCATCCTAAGAACGGTAGTGCCACTGTCA  
 AAAGAGTCAGGTCGACACTACTGCCACTNNGGTTACGTTTTCCAGGTGGAGGCTACCC  
 ACTTCGATAGGCCCGGTGCGGAAATGGATACT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_032324

**Insert Size:**

1170 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).

**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\\_032324.1](#), [NP\\_115700.1](#)

**RefSeq Size:** 926 bp

**RefSeq ORF:** 573 bp

**Locus ID:** 84284

**UniProt ID:** [Q9BSD7](#)

**Cytogenetics:** 1q42.2

**Domains:** AAA, DUF265

**Protein Families:** Protease

**Gene Summary:** The protein encoded by this gene is a non-specific nucleoside triphosphatase that is slow-acting in vitro. This gene is overexpressed in many tumor tissues, and while it is not essential for the cell, overexpression is cytotoxic. However, the cytotoxicity is not related to its triphosphatase activity. [provided by RefSeq, Jul 2016]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).