

## Product datasheet for **RC204071**

### **C14orf172 (TRMT61A) (NM\_152307) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C14orf172 (TRMT61A) (NM\_152307) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** C14orf172  
**Synonyms:** C14orf172; GCD14; Gcd14p; hTRM61; TRM61  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC204071 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTTCGTGGCATAACGAGGAGCTGATCAAGGAGGGTGACACGGCCATCCTGTCACTGGGCCATGGTG  
CAATGGTGGCAGTGCCTGTGCAGCGTGGGGCACAGACCCAGACCCGGCATGGTGTCTGCGGCACTCAGT  
TGACCTTATCGGCCGCCCTTCGGCTCCAAGGTGACGTGCGGCCGAGGTGGCTGGTGTATGTGCTGCAC  
CCCACGCCGAGCTCTGGACGCTGAACCTGCCGACCCGACGCAGATCCTCTACTCCACAGACATCGCCC  
TCATCACCATGATGTTGGAGCTTCGGCCGGCTCTGTGGTCTGTGAGTCTGGCACCGGCAGTGGCTCTGT  
GTCCACGCCATCATCCGACCATTGCACCCACGGGTACCTGCACACGGTGGAGTTCACACGAGCAGCGG  
GCAGAGAAGGCCCGGAGGAGTTCAGGAGCACCGTGTGGCCGCTGGGTGACTGTGCGCACCCAGGACG  
TGTGCCGAGTGGCTTTGGCGTGAGCCACGTGGCCGACGCGCTTCTCCTGGACATCCCATCACCTGGGA  
GGCCGTGGGCCACGCCTGGGACGCCCTCAAGGTGCAAGGCGGGCGCTTCTGCTCCTTCTCACCGTGCATC  
GAGCAGGTGCAACGCACATGCCAGGCGCTGGCAGCGCGCGGCTTCTCAGAGCTGAGCACCCCTGGAGGTGC  
TGCCACAGGTCTACAACGTGCGCACTGTCAGCTGCCACCGCCGACCTGGGCACAGGCACAGATGGCCC  
TGCCGGCTCCGACACAGCCCCCTCCGACGCGGCACGCCATGAAGGAGGCCGTGGGCCACACCGGCTAC  
CTGACCTTCGCCACCAAGACCCAGGC

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTAA**



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**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\\_152307.2](#), [NP\\_689520.2](#)

**RefSeq Size:** 3257 bp

**RefSeq ORF:** 870 bp

**Locus ID:** 115708

**UniProt ID:** [Q96FX7](#)

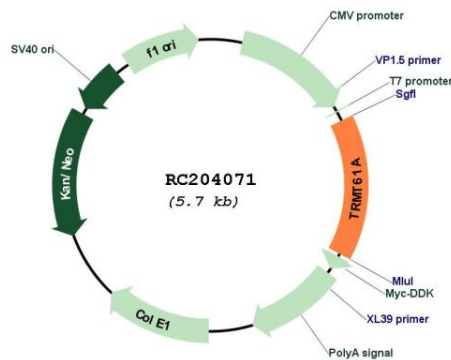
**Cytogenetics:** 14q32.33

**Protein Families:** Druggable Genome

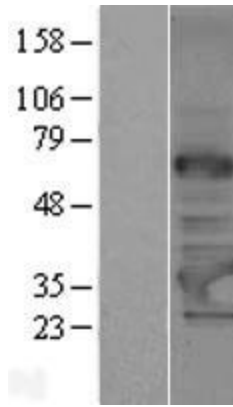
**MW:** 31.4 kDa

**Gene Summary:** Catalytic subunit of tRNA (adenine-N(1))-methyltransferase, which catalyzes the formation of N(1)-methyladenine at position 58 (m1A58) in initiator methionyl-tRNA (PubMed:16043508). Catalytic subunit of mRNA N(1)-methyltransferase complex, which mediates methylation of adenosine residues at the N(1) position of a small subset of mRNAs: N(1) methylation takes place in tRNA T-loop-like structures of mRNAs and is only present at low stoichiometries (PubMed:29107537, PubMed:29072297).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC204071



Western blot validation of overexpression lysate (Cat# [LY407663]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204071 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).