

Product datasheet for **SC319909**

C14orf172 (TRMT61A) (NM_152307) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf172 (TRMT61A) (NM_152307) Human Untagged Clone
Tag:	Tag Free
Symbol:	C14orf172
Synonyms:	C14orf172; GCD14; Gcd14p; hTRM61; TRM61
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_152307.2 <pre> GGCACGAGGCGGAAGTGTGTGGCCGCCGCCGCGTCGCGGAGGCACGTGTGGAGC CCCGGCAGCAGGAGCGTCGCAGGTCCTTGGCCCTTGCCAGACATTAGCACCATGAGCTTC GTGGCATACGAGGAGCTGATCAAGGAGGGTGACACGGCCATCCTGTCACCTGGGCCATGGT GCAATGGTGGCAGTGCCTGTGCAGCGTGGGGCACAGACCCAGACCCGGCATGGTGTCTCTG CGGCACTCAGTTGACCTTATCGGCCGCCCTTCGGCTCCAAGGTGACGTGCGGCCGAGGT GGCTGGGTGTATGTGCTGCACCCACGCCCAGCTCTGGACGCTGAACCTGCCGCACCGC ACGCAGATCCTCTACTCCACAGACATCGCCCTCATCACCATGATGTTGGAGCTTCGGCCC GGCTCTGTGGTCTGTGAGTCTGGCACCAGGAGTGGCTCTGTGTCCACGCCATCATCCGC ACCATTGCACCCACGGGTACCTGCACACGGTGGAGTTCCACCAGCAGCGGGCAGAGAAG GCCCGGGAGGAGTTCCAGGAGCACCGTGTGGGCCGCTGGGTGACTGTGCGCACCCAGGAC GTGTGCCGCACTGGCTTTGGCGTGAGCCACGTGGCCGACGCCGTCTTCTGGACATCCCA TCACCCTGGGAGGCCGTGGGCCACGCCTGGGACGCCCTCAAGGTGCAAGGCGGGCGCTTC TGCTCCTTCTCACCCTGCATCGAGCAGGTGCAACGCACATGCCAGGCGCTGGCAGCGCGC GGCTTCTCAGAGCTGAGCACCTGGAGGTGCTGCCACAGGTCTACAACGTGCGCACTGTC AGCCTGCCACCGCCGACCTGGGCACAGGCACAGATGGCCCTGCCGGCTCCGACACCAGC CCCTTCCGCAGCGGCACGCCATGAAGGAGGCCGTGGGCCACACCGGCTACCTGACCTTC GCCACCAAGACCCAGGCTAGGGGGCCGCTCCAGGGCACCAGGAGCTGGGAGCACTG AAGGGCTGGGCAGGGAGGCCAGAGCACCTTATATGGTCAGCGATGCCTGCCAGACACAG ACGGTGGGGTGGGCTTGGGGCCCTCCTGGGTGGCCAGAGTGGGACAGCAGGAAGGGCGG CTGTGATGGAGGAGCAGTGTGGGCTGGGCCTCAGCCATTCTGTCCAGCCCTGTGGCC CATCCAGCTGCTGTTTGTGCCAATATGAAGTATCCACTGCCAAAAAAAAAAAAAAAAA A </pre>
Restriction Sites:	Please inquire
ACCN:	NM_152307



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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).
OTI Annotation:	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.
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:	<u>NM_152307.2</u> , <u>NP_689520.2</u>
RefSeq Size:	3257 bp
RefSeq ORF:	870 bp
Locus ID:	115708
UniProt ID:	<u>Q96FX7</u>
Cytogenetics:	14q32.33
Protein Families:	Druggable Genome
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]