

Product datasheet for **SC120736**

HENMT1 (NM_144584) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HENMT1 (NM_144584) Human Untagged Clone
Tag:	Tag Free
Symbol:	HENMT1
Synonyms:	C1orf59; HEN1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_144584, the custom clone sequence may differ by one or more nucleotides

ATGGAAGAAAATAATCTACAGTGCAGTAGTGTGGTTGACGGTAATTTGAAGAAGTTCCCAGGGAGACGG
CAATTCAGTTTAAACCTCCACTATACAGACAGCGGTACCAGTTCGTTAAAAATTTAGTGGATCAACATGA
GCCTAAGAAGGTTGCAGACCTGGGATGTGGTGATACTTCACTCTTAAGGCTGCTAAAAGTCAATCCATGC
ATTGAATTGCTTGTGGAGTAGATTAATGAGGATAAATTACGATGGAGAGGGGATTTCGTTAGCTCCTT
TCCTGGGGGATTTCTGAAACCTCGGGATCTGAATTTGACCATCACATTGTATCATGGCTCCGTTGTGGA
GAGAGACTCTCGTTTGTGGATTGACTTGATAACGTGTATTGAATTAATAGAACATTTGGATTACGGT
GATCTGGCCAGATTTCTGAAGTGGTATTTGGGTACCTGTCTCCATCCATGATTGTCATCAGCACACCAA
ACTCTGAATTCATCCCTGTTTCCATCAGTGACCTTAAGAGATTCAGATCATAAATTTGAGTGGACCAG
AATGGAGTTTCAGACCTGGGCTTTATATGTGGCAAATCGTATGATTACTCTGTGGAGTTTACTGGTGTC
GGGGAACCAACAGCTGGAGCTGAGAATGTTGGATACTGTACCCAGATAGGAATCTTCCGGAAAAATGGAG
GAAAGGCAACAGAATCATGTCTTTCAGAGCAGCATGATCAGCATGTTTATAAAGCTGTTTTACCACCTC
ATACCCAAGCTTACAGCAGGAAAGGTTCTTTAACTTGTGTTGGTTAATGAGGTGTCCCAACAAGTGAA
AGCTTAAGAGTGAGCCACCTGCCAAGGCGAAAGAACAGGCTGGGGAACGGGTGATAAGCCCAAGACA
TTGGTGGCTCAAAGGCCCTGTCCATGCTTTGGACAGTCTTCACAGAGGTTGAGAAGGCCAAGATAGA
GAACTCTCCACACCCTTCTGTGTTGGAGATAAATTTTCGTACCTCTGCAGAGACTCCTTGCATATCCC
AAGTTGAACCGCTTATGTGCTAATGAAGAGATGATGAGATCAGTCATTGCTGACTCAATTCCTCTGAGCA
GTGATGGTTCTGCAGTGGTGGCTGACCTGCGTAATTATTTTATGATGAACAGTTTGAGTTTTGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_144584 unedited <pre> GTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGCCGCGACGAGCTTTGTTTT TCGGTTGGGCATGCTGCTTACCGCAGGATGATGGAAGCGACGGCCGTACAAAGACAGAA GCGTTGGTTTCACTGAGTCAGTGCTGATTCTCTCAAATAGAGCTTGAAGGATAAATCTTC ATTTTTGTTTCAACAAAACCTTCGAAACAAATGGAAGAAAATAATCTACAGTGCAGTAGT GTGGTTGACGGTAATTTTGAAGAAGTTCCAGGGAGACGGCAATTCAGTTTAAACCTCCA CTATACAGACAGCGGTACCAAGTTCGTTAAAAATTTAGTGGATCAACATGAGCCTAAGAAG GTTGCAGACCTGGGATGTGGTGATACTTCACTCTTAAGGCTGCTAAAAGTCAATCCATGC ATTGAATTGCTTGTGGAGTAGATTAATGAGGATAAATTACGATGGAGAGGGGATTTCG TTAGCTCCTTTCTGGGGATTTTCTGAAACCTCGGGATCTGAATTTGACCATCACATTG TATNCATGGCTCCGTTGTGGAGAGAGACTCTCGTTTGCTTGGATTTGACTTGATAACGTG TATTGAATTAATAGAACATTTGGATTCAAGGTGATCTGGCCAGATTTCTGAAGTGGTAT TTGGGGTACCTGTCTCCATCCATNGATTGTCATCAGCACACCAAACCTCTGAATTCATCC CCTGTTTCCATCAGTGACCTTAAGAGATTGAGATCATANATTTGAGTGGCCANAATGGNA NTNTCAGAACCTGGCTTTATATGTGGCAATCGCTTGATTACTCTGNGGAGTTAACTGGT GTCGGGGAACACAGCTGAGCTGAGAATGTTGGATACTGTACCAGATAGAATCTTNNCGA AATGGNAGA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_144584
Insert Size:	1730 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:	<u>NM_144584.1</u> , <u>NP_653185.1</u>
RefSeq Size:	1867 bp
RefSeq ORF:	1182 bp
Locus ID:	113802
UniProt ID:	<u>Q5T8I9</u>
Cytogenetics:	1p13.3

Gene Summary:

Methyltransferase that adds a 2'-O-methyl group at the 3'-end of piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements. This probably protects the 3'-end of piRNAs from uridylation activity and subsequent degradation. Stabilization of piRNAs is essential for gametogenesis.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.