

Product datasheet for **SC112047**

CLNMT (CAMKMT) (NM_024766) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLNMT (CAMKMT) (NM_024766) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLNMT
Synonyms:	C2orf34; Cam; CaM KMT; CLNMT; KMT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024766, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTCGCGAGTCGCGGACGCTGGGACCGGCGAGACCGCGGAGCAGCGGGCGGGAGTCCGGCAGTTG
GCTGCACCACTCGGGGGCCCGTAGTCTCGGCGCCCTGGGAGCCGCCGGTGGAAGCTCCTGCGGCAGGT
TCTGAAGCAAAAACACCTGGATGATTGCCTGCGACATGTATCTGTAAGAAGATTTGAATCATTTAATCTG
TTTTAGTAAACAGAAAGGCAAGAAAGGGAACTGAAGAGGAGGTTGGTGCATGGTCCAATATAACAAGCA
TCTTCTGTCTGAATACAGTATCTCCTAAGGCATAATAGTGGATCCTTGAATGTTGAAGATGCCTTAC
CAGCTTTGACAATACAGGAAATGTTGCATCTGGCCATCTGAAGAGGTTTTGGCTTACTACTGCCTCAAG
CACAATAATATATTCAGGGCCCTTGCTGTGTGTGAGCTAGGGGGTGGCATGACATGCTTGGCTGGGCTCA
TGGTTGCTATTTCTGCAGATGTCAAAGAAGTTCTGTTAACTGATGGGAATGAAAAGGCCATCAGAAATGT
GCAAGACATCATCACAAGGAATCAGAAGGCTGGTGTGTTAAGACCCAGAAAATATCAAGCTGCGTTTTTA
CGATGGGATAATGAGACAGATGTCTCAACTGGAAGGACATTTTGACATTGTTATGTGTGCTGACTGCC
TGTTTCTGGACCAGTACAGAGCCAGCCTTGTTGATGCAATAAAGAGATTACTCCAGCCAGGGGGAAAGC
GATGGTATTTGCCCCACGCCGAGGGAATACTTTAAACAGTTTTGCAATCTAGCTGAAAAGCTGGTTTC
TGTATCCAAGACATGAAAATTATGATGAACACATTTCAAACCTCCAAGTTGAAAAGGAAAACC
CGGACATATGAAGAAAACCTTCAATACCCGCTTCTGCTATTTTGACCAACATGGATAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024766 unedited GCACCAGGGCCGAGCTGCGGGCGGTGGCACCTCCGGGTGTGGAAGGCTCCAGTGAGATGGA GTCGCGAGTCGCGGACGCTGGGACCGGCGAGACCGCGCGAGCAGCGGGCGGGAGTCCGGC AGTTGGCTGCACCACTCGGGGGCCCGTAGTCTCGGCGCCCTGGGAGCCGCCCGGTGGAA GCTCCTGCGGCAGGTTCTGAAGCAAAAACACCTGGATGATTGCCTGCGACATGTATCTGT AAGAAGATTTGAATCATTTAATCTGTTTTTCAGTAACAGAAGGCAAGAAAGGGAAACTGA AGAGGAGGTTGGTGCATGGGTCCAATATACAAGCATCTTCTGTCCTGAATACAGTATCTC CTTAAGGCATAATAGTGATCCTTGAATGTTGAAGATGTCCTTACCAGCTTTGACAATAC AGGAAATGTTTATGATGTCTCACTTTATTGCCCATGTTGGTCTTGATCTCCTGGACTCAA GCAATCCTCCTGCCTCAGCCTCCCAAAGTGTGATTAGTAGCATGAGCCACTGCTCCCAGC TGTGTATGCATTTCTTGCAGCAGTTGTATAGTTGGGTCTGGATTTTGAGCCCATCTGA CAAGTTTTTCTTTTAATTGACTGTTAATTGAAGTGAATTTAATTATTGATATGGTTA TGTTAAGTTTACTATCTTGCTATT
Restriction Sites:	ECoRI-NOT
ACCN:	NM_024766
Insert Size:	3100 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:	<ol style="list-style-type: none"> 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_024766.1</u> , <u>NP_079042.1</u>
RefSeq Size:	1551 bp
RefSeq ORF:	972 bp
Locus ID:	79823
UniProt ID:	<u>Q7Z624</u>
Cytogenetics:	2p21
Gene Summary:	This gene encodes a class I protein methyltransferase that acts in the formation of trimethyllysine in calmodulin. The protein contains a AdoMet-binding motif and may play a role in calcium-dependent signaling. [provided by RefSeq, Sep 2012]