

Product datasheet for **SC324112**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_024766.1
GGCACCTCCGGGTGTGGAAGGCTCCAGTGAGATGGAGTCGCGAGTCGCGGACGCTGGGAC
CGGCGAGACCGCGGAGCAGCGGGCGGGAGTCCGGCAGTTGGCTGCACCACTCGGGGGCC
CGTAGTCTCGGCGCCCTGGGAGCCGCCGGTGAAGCTCCTGCGGCAGTTCTGAAGCA
AAAACACCTGGATGATTGCCTGCGACATGTATCTGTAAGAAGATTTGAATCATTTAATCT
GTTTTAGTAACAGAAGGCAAAGAAAGGAAAAGTGAAGAGGAGTTGGTGCATGGGTCCA
ATATACAAGCATCTTCTGCTGAATACAGTATCTCCTAAGGCATAATAGTGGATCCTT
GAATGTTGAAGATGTCCTTACCAGCTTTGACAATACAGGAAATGTTTGCATCTGGCCATC
TGAAGAGGTTTTGGCTTACTACTGCCTCAAGCACAATAATATATTCAGGGCCCTTGCTGT
GTGTGAGCTAGGGGTGGCATGACATGCTTGGCTGGGCTCATGGTTGCTATTTCTGCAGA
TGTCAAAGAAGTCTGTTAACTGATGGGAATGAAAAGGCCATCAGAAATGTGCAAGACAT
CATCACAAGGAATCAGAAGGCTGGTGTGTTAAGACCCAGAAAATATCAAGCTGCTTTTT
ACGATGGGATAATGAGACAGATGTCTCTCAACTGGAAGGACATTTTGACATTGTTATGTG
TGCTGACTGCCTGTTTCTGGACCAGTACAGAGCCAGCCTTGTGTGCAATAAAGAGATT
ACTCCAGCCCAGGGGAAAGCGATGGTATTTGCCCCACGCCGAGGGAATACTTTAAACCA
GTTTTGCAATCTAGTGAAAAAGCTGGTTTCTGTATCCAAAGACATGAAAATTATGATGA
ACACATTTCAAACCTTCCACTCCAAGTTGAAAAAGGAAAACCCGGACATATATGAAGAAA
CCTTCATTACCCGCTTCTGCTTATTTTGACCAACATGGATAGAAGATTAAGCTTCTCAA
AGACGAAGAAATGTATCAAGTGCATAGGGAATATTTTTACAAAACGGAATCTGTAAGG
GGTATAATCGCCTGCCTGCGCCCTTGCAGCATTTACAGTGTGGGCTATGGACTCCACCT
GTCCTCACCCACGTTATTTCCCGAGCTGCCCTCTCCAGCTCCCTCCCGCCTCTTTTTACA
CTCTGCTTGTGTGCTCGTCTGCCCTAACCTTTGTTTGTCTTTAAATGTGTATAAGCTGC
CTGTCTGTGACTTGAATTTGACTGGTGAACAACTAAATATTTTTCCCTGTAATTGAGAC
AGAATTTCTTTGATGATACCCATCCCTCCTTCATTTTTTTTTTTTTTTGGTCTTTGTT
TGTTTTGGTGGTGGTAGTTTTAATCAGTAAACCCAGCAAATATCATGATTCTTTCCTGG
TTAGAAAAATAAATAAAGTGTATCTTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	ECoRI-NOT
ACCN:	NM_024766
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:	<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:	NM_024766.1 , NP_079042.1
RefSeq Size:	1551 bp
RefSeq ORF:	972 bp
Locus ID:	79823
UniProt ID:	Q7Z624
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]