

Product datasheet for RN209749

Camkmt (NM_001134463) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Camkmt (NM_001134463) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Camkmt
Synonyms:	CaM KMT; CLNMT; RGD1310453
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN209749 representing NM_001134463 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCGCAGGTCGCGGTTGCTGGGGATGGAGAGACTGAGGCAGAGGGCGGCAAGGGTCCCATGATTG
ACAGTGCCAGCCAAGGGTCGCTGGTCTCGGCGCCCAAGGGGGCTGTCCGGTGAAGACTCCTGCGACAGGT
TCTGAAGCAGAAACAGCTGGATGACGGCCTGAGACATGTATCTGTGAGAAGATTTGAATCATTTAATCTG
TTCTCAGTCACAGAGGCCAAAAACAGGGAACTGAAAAAGAGGCTGGTGGTGGTCCAGTACACAAGCA
TCTTTTATCCCGAGTACAGCATCTCCTTAAGGCGTAATAGTGGATCCTTGAGTGTGAAGACGACTACTGAC
CAGCTTTGACAACACAGGGAATGTCTGCATCTGGCCGTCTGAGGAGGTGTTGGCTTACTACTGCCTCAAG
CACAGCCATTTATTCAGGGACCTTGCTGTGTGTGAGCTAGGGGGTGGCATGACATGCTTGGCTGGGCTCA
TGGTTGCTATTTCTGCAGATGTCAAAGAAGTTCTGCTAACTGATGGGAATGAAAAGGCCATCAGAAATGT
GAACAGCATCATCGCAAGCAACAAGAAGACTGGCGTGTCAAGACTCAGAAAATATCAAGCTGCGTTTTA
CGATGGGATAATAAGACAGATGTCTCTCAACTGGAAGGACATTTTGACATTGTTATGTGTGCTGACTGCC
TGTTCTGGACCAGTACAGAGCCAGCCTTGTGATGCAATAAAGAGATTACTCCAGCCCTCAGGGAAGC
ATTGGTATTTGCCCCACGCCGAGGGAATACTTTCAACCAGTTTGAATCTAGCAGAAAAAGCCGGTCTC
TCCCTCAAAGACATGAAAATTACGATGAGCGCATTTCAAACCTTCCAAGTTAAAAAAGAAGGGT
CGGACGTATATGAAGAAAATCTCCAACCTCCACTTCTACTTATTTAAACAAAACGGGATAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001134463



Insert Size:	972 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_001134463.1</u> , <u>NP_001127935.1</u>
RefSeq Size:	1479 bp
RefSeq ORF:	972 bp
Locus ID:	299521
UniProt ID:	<u>B0K012</u>
Cytogenetics:	6q12
Gene Summary:	Catalyzes the trimethylation of 'Lys-116' in calmodulin.[UniProtKB/Swiss-Prot Function]