

Product datasheet for **MC227512**

Cant1 (NM_001025618) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cant1 (NM_001025618) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cant1
Synonyms: 5830420C20Rik; Apy; Apy1h; D11Bwg0554e; Entpd8; SCA; SCAN-1; Sh; Shapy
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227512 representing NM_001025618
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCATCCAGCCCTTTGACCAGCGGGAATGGAATGAGCCTATGCACTCCCTCCGGATCAGTGTAGGGG
GCCTTCTGTGCTGGCATCCATGACCAAGGCCACGGACCCTCGTTCCGCCCCGCTGGCGGGTATCCT
CAGTCTTTGTGGGTGCTGCCCTCTGCTGCTGTACTCCCACCATCAGGGCCAGTCCAGGCAGG
CCCCCACCCACAATGCGACAATTGGAGGCTCAGCCAGCAGCGATCTCTCATTACAACGACACCTACC
CCCTCTCCCCCACAGAGGACTCCAGGTGGGATTCGGTACCGAATCGCAGTCATTGCTGACTTGGACAC
GGGTCCAGGGCCAGGAAGAAAACACTTGGTTTAGCTACCTTAAGAAAGGCTACCTGACCTGTGGAC
AGCGGGGACAGGGTCAGCGTGGAGTGGGATAAAGACCACGGGGTCTAGAGTCCCACCTGGCAGAAAAGG
GGCGGGGCATGGAGCTCTCAGACCTGATTGTCTTCAATGGGAACTCTACTCCGTGGATGACCGCACAGG
GGTCATCTACCAGATCGAAGGCACCAAGCAGTGCCTGGGTGATCCTTTCTGATGGCGATGGAAGTGTG
GAGAAGGGTTTCAAAGCTGAATGGCTTGTGTGAAGGACGAACACCTGTATGTGGCGCCCTGGCAAGG
AGTGGACCACGACAGGGGAGGTGATGAACGAGAACCCTGAGTGGTGAAGGTGAGGCCACAGGGG
CAGTGTGGACCACGAGAAGTGGGTGTCCAGCTACAACGCCCTGAGAGCAGCCGCCGGATCCGACCACCA
GGTACCTCATTACGAGTCCGCTGCTGGAGCGACACACTGCAGCGCTGGTTCTTCTGCTCCTCGGG
CTAGCCACGAACGCTACAGCGAGAAGGACGATGAACGCAAGGGCAGCAACCTCCTGCTGAGCGCAGCCCA
GGACTTCAGGGACATCTCTGTGAGGCAAGTGGGACTCTGATCCCCACCCACGGCTTCTCATCCTTCAA
TTCATCCCCAACCGGATGACCAGATCATCGTGGCTCTCAAGTCGGAAGAGGACAATGGCAGAATCGCCA
CCTATGTCATGGCCTTACGCTGGACGGCCGCTTCTGCTCCAGAGACCAAGATCGGCACTGTGAAGTA
CGAAGGAATAGAGTTCAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001025618
Insert Size:	1212 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001025618.2</u> , <u>NP_001020789.1</u>
RefSeq Size:	2915 bp
RefSeq ORF:	1212 bp
Locus ID:	76025
UniProt ID:	<u>Q8VCF1</u>
Cytogenetics:	11 83.15 cM
Gene Summary:	<p>The protein encoded by this gene is a calcium-dependent nucleotidase that preferentially hydrolyzes UDP, GDP, and IDP. The encoded protein has low activity with ADP and ATP and shows no activity with AMP and GMP. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2012]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, and 4 all encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>