

## Product datasheet for MR229926

### Cant1 (NM\_001267592) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cant1 (NM_001267592) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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
ORF Nucleotide Sequence:	>MR229926 representing NM_001267592 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCATCCAGCCCTTTGACCAGCGGGAATGGAATGAGCCTATGCACTCCCTCCGGATCAGTGTAGGGG  
GCCTTCCTGTGCTGGCATCCATGACCAAGGCCACGGACCCTCGTTCCGCCCCCGCTGGCGGGTATCCT  
CAGTCCTTTGTGGGTGCTGCCCTCCTCTGGCTGCTGTACTCCCACCATCAGGGCCAGTGCCAGGCAGG  
CCCCCACCCACAATGCGACAATTGGAGGCTCAGCCAGCAGCGCATCTCTATTACAACGACACCTACC  
CCCTCTCCCCCACAGAGGACTCCAGGTGGGATTCGGTACCGAATCGCAGTCATTGCTGACTTGGACAC  
GGGGTCCAGGGCCAGGAAGAAAACACTTGGTTTAGCTACCTTAAGAAAGGCTACCTGACCTGTCCGGAC  
AGCGGGGACAGGGTCAGCGTGGAGTGGGATAAAGACCACGGGGTCCCTAGAGTCCCACCTGGCAGAAAAGG  
GGCGGGCATGGAGCTCTCAGACCTGATTGTCTCAATGGGAACTCTACTCCGTGGATGACCGCACAGG  
GGTCATCTACCAGATCGAAGGCACCAAGCAGTGCCTGGGTGATCCTTTCTGATGGCGATGGAAGTGTG  
GAGAAGGGTCAACTGCTGCTACTCAGCCTTGTCTGAGCCACCCAGTACAAGGGTCTGTATGCTGAGCA  
GCAATGACTCCTGGGAACAGAATCTGATATTAGCTTTCATGTGTAGCAGGTTTCAAAGCTGAATGGCTTGC  
TGTGAAGGACGAACACCTGTATGTGGCGGCCTGGGCAAGGAGTGGACCACGACAGGGGAGGTGATG  
AACGAGAACCCTGAGTGGGTGAAGTGGTAGGCCACAGGGGCAGTGTGGACCACGAGAAGTGGGTGTCCA  
GCTACAACGCCCTGAGAGCAGCCGCCGGGATCCGACCACAGGCTACCTCATTACGAGTCCGCCTGCTG  
GAGCGACACACTGCAGCGCTGGTTCTTCTGCCTCGTCGGGCTAGCCACGAACGCTACAGCGAGAAGGAC  
GATGAACGCAAGGGCAGCAACCTCCTGCTGAGCGCAGCCAGGACTTCAGGGACATCTCTGTGAGGCAAG  
TGGGGACTCTGATCCCCACCCACGGCTTCTCATCTTCAAATTCATCCCCAACCGGATGACCAGATCAT  
CGTGGCTCTCAAGTCGGAAGAGGACAATGGCAGAATCGCCACCTATGTCATGGCCTTACGCTGGACGGC  
CGCTTCTGCTTCCAGAGACCAAGATCGGCACTGTGAAGTACGAAGGAATAGAGTTCATC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)



<b>ORF Size:</b>	1320 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001267592.1</a> , <a href="#">NP_001254521.1</a>
<b>RefSeq Size:</b>	3068 bp
<b>RefSeq ORF:</b>	1323 bp
<b>Locus ID:</b>	76025
<b>UniProt ID:</b>	<a href="#">Q8VCF1</a>
<b>Cytogenetics:</b>	11 83.15 cM
<b>MW:</b>	50 kDa
<b>Gene Summary:</b>	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]