

Product datasheet for RN207309

Cant1 (NM_144754) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cant1 (NM_144754) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cant1
Synonyms:	srapy
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207309 representing NM_144754 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCATCCAGCCCTTTGACCAGCGGGAATGGAATGAGCCTATGCACTCCCTCCGGATCAGTGTAGGGG
GCCTTCCAGTGTGGCATCCATGACCAAGGCCACGGACCCTCGTTCCGTCCCGCTGGAGGGTATTCT
GACGTCCTTTGTGGTGTGCCCTCTGGCTGTGTATTCCCACCATCAGACCCAGTATCGGGCAGG
CCCCCATCCACAACGCACAACTGGAGGCTCAGGCAGGAGCGCATCTCTCAATACAATGACACCTACC
CCCTATACCCCCACAGAGGACTCCAGGTGGGATTCGGTACCGAATTGCAGTCATTGCTGACTTGGACAC
GGGTCCAAGGCCCAGGAGGAGAACAACCTTGGTTTAGTTACCTTAAGAAAGGCTACCTGACCTGTGGAC
AGTGGGGACAGGGTCACTGTGGAGTGGGATAAAGACCGTGGAGTCCACCTGGCAGAAAAGG
GGCGGGCATGGAGTCTCGGACCTGATCGTCTCAACGGGAACTCTACTCTGTGGATGACCGCACGGG
GGTCATCTACCAGATCGAAGGTACCAAAGCAGTGCCTGGGTGATCCTTTCTGATGGCGATGGAGCTGTG
GAGAAGGGCTTCAAAGCGGAATGGCTGGCTGTGAAGGACGAGCATCTGTACGTGGTGGCTGGCCAGGGG
AGTGGACGACCACAACGGGGAGGTGGTGAACGAGAACCCTGAGTGGTGAAGGTGGTGGCCACAGGGG
CAGTGTGGAACACGAGAAGTGGGTGTCCAGCTACAATGCCTGAGAGCTGCCGCAGGGATCCAACGCCA
GGCTACCTCATTGATGAGTCCGCTGCTGGAGCGACACACTGCAGCGCTGGTTCTTCTGCCACGACGGG
CGAGCCACGAGCGCTACAGCGAAAGGGAGGACGAGCGAAAGGGCAGCAACCTGCTGCTGAGCGCAGCCCA
GGACTTCAGGGACATCTCTGTGAGGCAAGTGGGGCGCTGGTCCCCACCCATGGCTTCTCATCTTCAAG
TTCATCCCCAACCGGATGACCAGATCATCGTGGCTCTCAAGTCAGAAGAGGACAATGGCAGGATTGCCA
CCTATGTCATGGCCTTACGCTGGACGGCCGCTTCTGCTCCAGAGACCAAGATCGGCAGTGTGAAGTA
TGAAGGAATAGAATTCAT**C**AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_144754
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).
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_144754.2</u> , <u>NP_653355.1</u>
RefSeq Size:	2701 bp
RefSeq ORF:	1212 bp
Locus ID:	246272
UniProt ID:	<u>Q8K4Y7</u>
Cytogenetics:	10q32.3
Gene Summary:	hydrolyzes nucleoside 5'-diphosphates in the order UDP >GDP = IDP >>>CDP but not ADP, may be involved in glycosylation reactions related to quality control in the endoplasmic reticulum [RGD, Feb 2006]