

Product datasheet for **MC221070**

Ccnt1 (NM_009833) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccnt1 (NM_009833) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccnt1
Synonyms:	2810478G24Rik; AI115585; CycT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221070 representing NM_009833
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGAGAGAGGAAGAACAACAACAAGCGGTGGTATTTTACTCGCGAGCAGCTGGAGAACAGCCCGT
 CGCGTCGCTTTGGCGTGGACTCCGATAAAGAAGCTCTTACC GCCAGCAGGCGGCCAATCTCCTCCAGGA
 CATGGGACAACGTCTGAACGTCTCACAAGTACGATCAATACTGCTATAGTATACATGCACCGATTCTAC
 ATGATTAGTCTTTTACACAGTTTCATCGATATCCATGGCTCCAGCAGCCTTGTCTAGCAGCAAAAAG
 TAGAAGAACAACCAAGAAATTGGAGCATGTCATCAAGGTGGCACACACTTGCCTGCACCCACAGGAGTC
 ACTTCTGACACGAGGAGTGAGGCTTACCTACAACAAGTCAAGATCTGGTGATTTTAGAGAGTATAATT
 TTGCAGACCTTAGGGTTGAACTAACAATTGATCACCCACATACACATGTGGTAAAGTGCACCCAGCTTG
 TTCGAGCAAGCAAGGACTTAGCACAGACATCTTACTTCATGGCAACCAACAGCCTGCATTTGACCACATT
 TAGCCTGCAGTACACACCTCCTGTGGTGGCCTGTGTCTGCATCCATCTGGCTTGAAGTGGTCCAAGTGG
 GAGATCCCAGTCTCAACTGACGGGAAGCACTGGTGGGAGTATGTTGACGCCACTGTGACCTTGGAACTGT
 TAGATGAATTGACACATGAATTTCTACAGATTCTAGAGAAAACCTCCAAGCAGGCTGAAACGTATTCGGAA
 TTGGAGGGCGTACCAGGCTGCCATGAAAACCAAGCCAGATGACCGAGGAGCAGATGAAAACACGTCGGAG
 CAGACAATCCTCAATATGATTTCTCAGACCTCTCAGACACAACCTATCGCAGGATTAATGAGCATGTCAA
 CTGCGTCTACAAGTGCAGTGCCTTCCCTGCCTTCTCTGAGGAGTCACTGAGCAGTCTAACTAGTGTGGA
 TATGTTGACAGGGCGAGCGGTGGCTGTCTCCCAACCTCCGTTTAAACTCGAAGCTGCCAGGGTCACTCGG
 ACTAGTGAGAGTTTAGCACTTATTGGCGTTGATCATTCTTGAACAGGATGGTCCAGTGCCTTTGGTT
 CCCAGTAGCAGGGGAGCAAGAGTGTCCATCTGCTAAGGTTTCACTTAAGGAGTACCGTGCAAAGCAGCG
 GGAAGAGTTGGCTGCTCAGAAGAGGCAGCTGGAGAACATGGAGGCCAATGTGAAGTACAGTATGCGTAT
 GCTGCCAGAATCTCCTGTCTCACGACAGCCATTCTCAGTTATTCTCAAATGCCATTGAGAGCTCAG
 AAAACCTGAACGTCCTTTCTGGATAAGGCTGACAAAACAGCTCTGAAAATGAGACTCCCTGTGGCCAG
 TGGGGATAAAGCAGTTTCTTCCAAGCCAGAGGAGATAAAGATGCGCATTAAAGTTCAGTCTGCAGGGGAT
 AAGCACAATCCATAGAAGACAGTGTACCAAGAGCCGCGAGCACAAGGAGAAGCAGAGGACTCACCCGT
 CTAACCACCACCACATCACAACCACACTCACACAGGCACTCTCACTTACAGTGCACAGCCGCCCCCGT
 GAGCAAACGCCAAGTATCAAAAACACAGCAGCCAGACAAGCACCTTAGCACACAAAACCTACAGCTTG
 TCCAGTACTTTGTCTTCCAGCTCTACTCGTAAAAGGGTCCCCGGAAGAGACTGGGGCAGCAGTAT
 TTGATCATCCAGCAAGATTGCCAAGAGTACTAAATCTTCTTGAATTTCCCTTCCCCCCTTCTCTAC
 AATGACCCAGTTGCCTGGGCATAGCTCAGACACAAGTGGCCTGCCCTTTTACAGCCTAGCTGTAAAAC
 CGAGTTCTCATATGAACTGGATAAAGGCCCTCCTGGGGCTAATGGTCAACAACGCAACTCAGTCAATAG
 ATTATCAAGACACTGTGAATATGCTCCACTCCCTGCTTAGTGCCAGGGGTTTCCAGCCACACAGGCCCC
 TGCATTTGAATTTGTCCACTCTTATGGTGAATATATGAATCCCAGAGCTGGTGCCATCTCCTCCAGATCT
 GGCACACAGACAAAACCTCGGCCACCACCCTCCCATCAGAACCCCTCCACCCTTCCACCTCTTCTTA
 AGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_009833
Insert Size: 2175 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_009833.1</u> , <u>NP_033963.1</u>
RefSeq Size:	2175 bp
RefSeq ORF:	2175 bp
Locus ID:	12455
UniProt ID:	<u>Q9QWV9</u>
Cytogenetics:	15 F1
Gene Summary:	<p>Regulatory subunit of the cyclin-dependent kinase pair (CDK9/cyclin-T1) complex, also called positive transcription elongation factor B (P-TEFb), which is proposed to facilitate the transition from abortive to productive elongation by phosphorylating the CTD (C-terminal domain) of the large subunit of RNA polymerase II (RNA Pol II).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>