

Product datasheet for **MC222834**

Ctdp1 (NM_026295) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctdp1 (NM_026295) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ctdp1
Synonyms:	4930563P03Rik; AW553592
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222834 representing NM_026295
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGCGCCGCCCGCGCCGGCTCCACCAGTGCCTCCGCGGTGGCCGGGCAGAGGTGCGCT
 GCCCGGCCCCACGCCGCTGCGTCTGCTGGAGTGGAAAGTGGCGCGGGCGACCGTGCATCGGCTC
 GGTGCTGGCAGTGTGCGAAACCGCAGCCTCCGCGCAGCCCGCAGGGCCGGCACCGGCTCGCGCGGCTCT
 GGGGGTGCCTGCGCGCCGCGCGGACCGAGCGCAGGCTCAGGTCGGAGCGCGCCGGCTGGTCCGTGAAC
 TGTGTGCGCAGCCAGGCCAGGTGGTGGCCCTGGAGCACTTCTGGTGAATTGGAAGGATGCAGCCATCC
 TGTTGTCATGAAGGCCCTGTGTGCCAGTGTGGCCAGGACCTGACCCAGCTGCAGAGTAAAAATGGAAGG
 CAGCAGGTCCCCCTTCCACAGCGACGGTTTCCATGGTGCACAGTGTCCGGAGTTGATGGTGAAGTCTG
 AGCAAGCTGAGAACTAGGAAGAGAGGATCAGCAGCGACTACATCGAAACAGAAAATGGTTCTCATGGT
 TGACTTGGACCAGACCCTGATTCATACGACTGAGCAGCACTGTCCCAGATGTCCAACAAAGGCATCTTC
 CACTTCCAGCTGGGCCGGGGGAGCCATGCTGCACACCGCCTGAGGCCCTCACTGCAAGGATTTCTCGG
 AGAAAATCGCAAGCTGTATGAGCTGCACGTTTTACCTTCGGCAGCCGTCTGTATGCCACACCATCGC
 AGGCTTTCTGGACCCGAGAAGAAGCTTTTTCTCATCGAATATTGTCTAGAGATGAATGTATTGACCCG
 TTTTCTAAAACAGGAACTTAGAAATCTTTCCCTGTGGAGACTCAATGGTTTGCATCATCGATGACC
 GAGAAGATGTGTGAAGTTCCGCCCTAACCTCATAACTGTGAAGAAGTACGTCTACTTCCAGGCACAGG
 TGATGTGAATGCACCCCTGCAGCCCGGAACTCAGGCAAGGAGAAAAGTAAATCATTCTTCTAAGGGA
 GGGGACGCTTGGAAACAGCTCTCTCCGTGAGGGACCTGAGGACGGCAGGCCTGCTCCCGGGGTGGAGC
 ACAGCAATGGCCTTGGGAAGCCCTCCCGAGAGCTCAATGGTGGTGAAGCTGTGCCAGGAGTTTTTCCAG
 TAAAGCAGATGAGAAGGAAGCCTGGCCCTCACTCGGGCCTCTCCTGCCAGCAGCTCTAGTGGCCACGAG
 CCAACTGAAGCTCCAGAGCTCCCTGTGTCTGTGAGTGGGATGGTCGGACAACGCCAGGGGTGCAGCCCA
 CTCAGGGTGTGCGCCACCCAGGATTTGGACTTTGACCTGTCCAGCGACAGCGAGAGCAGCGAGAGCAG
 CAGCAGGTGAGAAGTCCAGAGGCTCCAGCCCCCAGGAGAGAACAAGCAGCTCCAGAGCACAGTGGG
 CCCCAGGACAGAGTGGGGCAGAGCTGCAGCAAGCCCCCTGGGAGAGTCTGGGCTAGCATCCACCCCC
 ATGACAAAGGGTCCAGACTGGACACTCAGGAGGAGGTGAACGGGACAGCCTCTGTGGCTGGGCAATGG
 CAGTGTGGACCGAAAGAGGCTGAAACGGAATCCAGAACAGTGAAGCAGTCAAGTGTCACTGCAGGCGAG
 TCCCTAGATCAGAGTGTGGGGAGGAAGAGGACAGACAGCAGTGAACACTTGTATACACCTCG
 AGGAGATCCTGGTCCGAGTACACACTGACTATTACACAAAGTATGACAGATACCTCAACAAGGAGCTTGA
 GGAAGCTCCAGATATACGGAAAATTGTGCCAGAGCTCAAGAGCAAGGTGCTCGCAGATGTGGCTGTGATA
 TTCAGTGGGCTGCACCAACAACTTTCTGTGGAAAAGACTCGCGAGCACTATCACGCCACGGCCCTGG
 GAGCAAGGTCTTACCCAGTGGTGTGAGCCCTGATGTCCAGACAGGGCCACTCACCTCATTGCAGC
 ACGGGCTGGTACAGAGAAGGTGCGCCAGGCACAGGAGTGCACACCTACATGTGGTCCAGCCCTGATTGG
 CTGTGGAGCTGCCTGGAGCGCTGGGACAAGGTGGAGGAGCAGCTTTCCCACTCATAGATGACGATACCC
 GCACACATAGGGATAACAGCCCTGCAGTCTTTCCAGACAGACAGTGTGCTTCCAACAGCCTTGTTC
 TCCAACACCCATCCATTCCAAGGCCATCCTGGTCCCAGGTTTCGGATCTATGACTCTAACACAGGCAAG
 CTGATCCGGATGGGCCCCAGGGTTCTGCACCAGCTCCCTCCAGTGCACCACTTAACCATGGAGAGCCTT
 CCTCCTTCAGAGCTGTTAGCCACATCAGCAGCAAATGTTTGGTGAAGAGTTGCCAGAATCTCAAGATGG
 AGAGCAGCTGGCCCTGCTAGAAGAAAGCGACAACCCAGTATGTCGAGGCAATGCCGCTGTACTCTCTC
 TGTAAGGAGGACTTAGAGAGTATGGACAAGAGGTGACGACATCCTTGGAGAGGGCAGTGTGACAGT
 ACATCGAGAAGAAGAAGCCAGAAGACCAAGACAATGAGCAGGAGAGAGCCCCGAAGCCAGGAAGCCCCG
 GGCTCCAGGGATCCGAAGAGAGCAGCCTGTAGGCTTGCCTCATCTGGCAGAGGAGCACCCTGGCATG
 CGTGGGCCAGAGGCCACAAGAGGAACTAAATGAGGAAGACGCTGCCAGCGAGTCCAGCGGGGAGTCCA
 GCAACGATGATGAGGAGGCAGCAGTTCAGAAGCAGATGAGATGGCCGCTGCTCTGGAGCGGAGCTTAA
 TGACCTCATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_026295
Insert Size:	2883 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:	NM_026295.2 , NP_080571.2
RefSeq Size:	3700 bp
RefSeq ORF:	2883 bp
Locus ID:	67655
UniProt ID:	Q7TSG2
Cytogenetics:	18 53.48 cM
Gene Summary:	Processively dephosphorylates 'Ser-2' and 'Ser-5' of the heptad repeats YSPTSPS in the C-terminal domain of the largest RNA polymerase II subunit. This promotes the activity of RNA polymerase II. Plays a role in the exit from mitosis by dephosphorylating crucial mitotic substrates (USP44, CDC20 and WEE1) that are required for M-phase-promoting factor (MPF)/CDK1 inactivation (By similarity).[UniProtKB/Swiss-Prot Function]