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Product datasheet for MC226557

Cnot7 (NM_001271543) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot7 (NM_001271543) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnot7
Synonyms:	AU022737; CAF-1; Caf1; Pop2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226557 representing NM_001271543 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCAGCAGCAACCGTAGATCATAGCCAAAGAATTTGTGAAGTTTGGGCTTGTAACCTGGATGAAGAGA TGAAGAAAATCCGTCAAGTTATCCGAAAATATAATTATGTTGCTATGGACACCGAGTTTCCAGGCGTTGT TGCAAGACCCATTGGAGAATTCAGAAGCAATGCTGACTATCAGTACCAACTGTTGCGGTGTAATGTAGAC TTGTTAAAGATAATCCAGCTCGGACTGACCTTTATGAATGAACAGGGAGAATACCCTCCAGGAACGTCAA CTTGGCAGTTTAACTTTAAGTTTAATTTGACGGAGGACATGTATGCTCAGGACTCTATAGAGCTACTAAC AACATCTGGTATCCAGTTTAAAAAACACGAGGAGGAAGGAATTGAGACCCAATATTTTGCAGAACTTCTT ATGACTTCAGGAGTGGTTCTTTGTGAAGGGGTCAAATGGCTATCATTTCACAGTGGTTATGACTTTGGCT ATTTAATCAAAATTCTGACCAACTCTAACTTGCCTGAGGAAGAACTTGATTTCTTTGAGATCCTTCGGTT ATTTTTTCCTGTCATTTATGATGTGAAGTACCTCATGAAGAGCTGCAAAAATCTCAAAATGTTCTTTGAA GATCACATTGATGATGCCAAATACTGTGGTCACTTATATGGCCTTGGTTCTGGCTCATCCTATGTACAGA ACGGCACAGGGAATGCATATGAAGAGGAAGCCAGCAAGCAGTCATGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001271543
Insert Size:	747 bp

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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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001271543.1, NP_001258472.1
RefSeq Size:	2506 bp
RefSeq ORF:	747 bp
Locus ID:	18983
Cytogenetics:	8 A4
Gene Summary:	Has 3'-5' poly(A) exoribonuclease activity for synthetic poly(A) RNA substrate. Its function seems to be partially redundant with that of CNOT8. Catalytic component of the CCR4-NOT complex which is one of the major cellular mRNA deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. During miRNA-mediated repression the complex seems also to act as translational repressor during translational initiation. Additional complex functions may be a consequence of its influence on mRNA expression. Required for miRNA-mediated mRNA deadenylation. Associates with members of the BTG family such as TOB1 and BTG2 and is required for their anti-proliferative activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 3' coding region compared to variant 1. It encodes isoform 2 which is shorter than 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.