

## Recombinant Mouse Cnot7 Protein, Myc/DDK-tagged

Cat. No. Cnot7-2223M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length CCR4-NOT transcription complex, subunit 7 (Cnot7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	32.7 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Cnot7 CCR4-NOT transcription complex, subunit 7 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Cnot7
<b>Synonyms</b>	CNOT7; CCR4-NOT transcription complex, subunit 7; CCR4-NOT transcription complex subunit 7; CAF-1; POP2 homolog; CCR4-associated factor 1; catabolite repressor protein (CCR4)-associative factor 1; Caf1; Pop2; AU022737
<b>Gene ID</b>	18983
<b>mRNA Refseq</b>	NM_011135
<b>Protein Refseq</b>	NP_035265
<b>UniProt ID</b>	Q60809

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