Recombinant Mouse Cnot7 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length CCR4-NOT transcription complex, subunit 7 (Cnot7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	32.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	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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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Cnot7 CCR4-NOT transcription complex, subunit 7 [Mus musculus (house mouse)]
Official Symbol	Cnot7
Synonyms	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
Gene ID	18983
mRNA Refseq	NM_011135
Protein Refseq	NP_035265
UniProt ID	Q60809

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