

Recombinant Mouse Cnot7 Protein, His-tagged

Cat. No. Cnot7-7306M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CNOT7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Species	Mouse
Source	E.coli
ProteinLength	1-248
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.
Form	Liquid
Molecular Mass	31.1 kDa
AA Sequence	MGSSHHHHHSSGLVPRGSHMGSMPTAATVDHSQRICEVWACNLDEEMKKIRQVIR

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KYNYVAMDTEFPGVVARPIGEFRSNADYQYQLLR CNVDLLKIIQLGLTFMNEQGEYP
PGTSTWQFNFKFNLTEDMYAQDSIELLTSGIQFKKHEEEGIETQYFAELLMTSGVVL
CEGVKWL SFHSGYDFGYLIKILTNSNLPEEELDFFEILRLFFPVIYDVKYL MKSCKNLK
MFFEDHIDDAKYCGHLYGLGSGSSYVQNGTGNAYEEEEASKQS

Purity > 80 %

Stability Shelf life: one year from despatch.

Storage Store undiluted at 2-8 centigrade for up to two weeks or (in aliquots) at -20 or -70 centigrade for longer.
Avoid repeated freezing and thawing.

Concentration 1.0 mg/mL (determined by Bradford assay)

Storage Buffer 20 mM Tris-HCl buffer (pH 8.0) containing 20 % glycerol, 1 mM DTT

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; Caf; Caf1; Pop2; CAF-1; AU022737; CCR4-NOT transcription complex subunit 7; CCR4-associated factor 1; POP2 homolog; catabolite repressor protein (CCR4)-associative factor 1; EC 3.1.13.4

Gene ID 18983

mRNA Refseq NM_001271542

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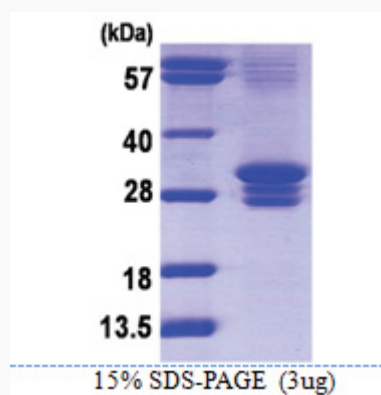
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Protein Refseq NP_001258471

UniProt ID Q60809

SDS-PAGE



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