

## Product datasheet for **AR39118PU-L**

### CNOT7 (1-248, His-tag) Mouse Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	CNOT7 (1-248, His-tag) mouse recombinant protein, 0.5 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSMPAATVD</u> HSQRICEVWA CNLDEEMKKI RQVIRKYNVY AMDTEFPVV ARPIGEFRSN ADYQYQLLRC NVDLLKIIQL GLTFMNEQGE YPPGTSTWQF NFKFNLTEDM YAQDSIELLT TSGIQFKKHE EEGIETQYFA ELLMTSGVWL CEGVKWLSFH SGYDFGYLIK ILTNSNLPEE ELDFEILRL FFPVIYDVKY LMKSCNLKM FFEDHIDDAK YCGHLYGLGS GSSYVQNGTG NAYEEEEASKQ S
Tag:	His-tag
Predicted MW:	31.1 kDa
Concentration:	lot specific
Purity:	>80%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse CNOT7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u><a href="#">NP_001258471</a></u>
Locus ID:	18983
UniProt ID:	<u><a href="#">Q60809</a></u> , <u><a href="#">Q543X5</a></u>
Cytogenetics:	8 A4
Synonyms:	AU022737; CAF-1; Caf1; Pop2



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**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]

**Product images:**