

Recombinant Human CCR4-NOT transcription complex, subunit 8, His-tagged

Cat. No. CNOT8-207H Lot. No. (See product label)

SPECIFICATION

Product Overview	CNOT8, 1-292aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-292 a.a.
Description	CNOT8 belongs to the CAF1 family. It is a ubiquitous transcription factor required for a diverse set of processes and functions as part of the CCR-NOT complex. The CCR4-NOT complex functions as general transcription regulation complex. This complex contains CHAF1A, CHAF1B, CNOT1, CNOT2, CNOT3, CNOT4, CNOT6 and CNOT8 and binds BTG2. Recombinant human CNOT8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	35.9 kDa (315aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPAALVE NSQVICEVWA SNLEEEMRKI REIVLSYSYI AMDTEFPVV VRRPIGEFRSS IDYQYQLLRC NVDLLKIIQL GLTFTNEKGE YPSGINTWQF NFKFNLTEDM YSQDSIDLLA NSGLQFQKHE

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EEGIDTLHFA ELLMTSGVVL CDNVKWLFSFH SGYDFGYMVK LLTDSRLPEE
 EHEFFHILNL FFPSIYDVKY LMKSCNLKKG GLQEVAQQLD LQRIGRQHQA
 GSDSLLTGMA FFRMKELFFE DSIDDAKYCG RLYGLGTGVA QKQNEVDVSA
 QEKMSILAI NNMQQ

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name CNOT8 CCR4-NOT transcription complex, subunit 8 [Homo sapiens]

Official Symbol CNOT8

Synonyms CNOT8; CCR4-NOT transcription complex, subunit 8; POP2; CCR4-NOT transcription complex subunit 8; CAF1; CALIF; hCAF1; PGK promoter directed over production; CAF2; CALIFp; CAF1-like protein; CCR4-associated factor 8;

Gene ID 9337

mRNA Refseq NM_004779

Protein Refseq NP_004770

MIM 603731

UniProt ID Q9UFF9

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**Chromosome
Location**

5q31-q33

Pathway

Deadenylation of mRNA, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Gene Expression, organism-specific biosystem; RNA degradation, organism-specific biosystem; RNA degradation, conserved biosystem;

Function

nucleic acid binding; sequence-specific DNA binding transcription factor activity;

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