

## Product datasheet for PH303795

### CCR4 NOT transcription complex subunit 3 (CNOT3) (NM\_014516) Human Mass Spec Standard

#### Product data:

**Product Type:** Mass Spec Standards  
**Description:** CNOT3 MS Standard C13 and N15-labeled recombinant protein (NP\_055331)  
**Species:** Human  
**Expression Host:** HEK293  
**Expression cDNA Clone or AA Sequence:** RC203795  
**Predicted MW:** 81.9 kDa  
**Protein Sequence:** >RC203795 protein sequence  
 Red=Cloning site Green=Tags(s)

MADKRKLQGEIDRCLKKVSSEGVEQFEDIWQKLHNAANANQKEKEYEADLKKEIKKLQRLRDQIKTWVASNE  
 IKDKRQLIDNRKLIETQMERFKVVERETKTKAYSKEGLGLAQKVDPAQKEKEEVGQWLTNTIDTLNMQVD  
 QFESEVESLSVQTRKKKGDKDKQDRIEGLKRHIEKHRYHVRMLETILRMLDNDLSILVDAIRKIKDDVEYY  
 VDSSQDPDFEENEFLYDDLDLEDIPQALVATSPPSHSHMEDEIFNQSSSTPTSTTSSSPIPPSPANCTTE  
 NSEDDKKRGRSTDSEVSQSPAKNGSKPVHSNQHPQSPAVPPTYPSGPPPAASALSTTPGNGVPPAPAAPP  
 SALGPKASPAPSHNSGTPAPYAQAVAPPAPSGPSTTQPRPPSVQPSGGGGGGSGGGSSSSNSAGGGA  
 GKQNGATSYSSVADSPAVALSSSGGNNASSQALGPPSGPHNPPSTSKEPSAAAPTGAGGVAPGSGNN  
 SGGPSLLVPLPVNPPSSPTPSFSDAKAAGALLNGPPQFSTAPEIKAPEPLSSLKSMARAIAISSGIEDPV  
 PTLHLTERDIIILSSTSAPPASAQPPLQLSEVNIPLSLGVCPLGPVPLTKEQLYQQAMEEAAWHHMPHPSD  
 SERIRQYLPRNPCPTPPYHHQMPPHSDTVEFYQRLSTETLFFIFYLEGTKAQYLAALKKKQSWRFHT  
 KYMMWFQRHEEPKTIITDEFEQGTIYFDYEKQWQRKKEGFTFEYRYLEDRLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Labeling Method:** Labeled with [U- <sup>13</sup>C<sub>6</sub>, <sup>15</sup>N<sub>4</sub>]-L-Arginine and [U- <sup>13</sup>C<sub>6</sub>, <sup>15</sup>N<sub>2</sub>]-L-Lysine  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3  
**Storage:** Store at -80°C. Avoid repeated freeze-thaw cycles.  
**Stability:** Stable for 3 months from receipt of products under proper storage and handling conditions.  
**RefSeq:** [NP\\_055331](#)



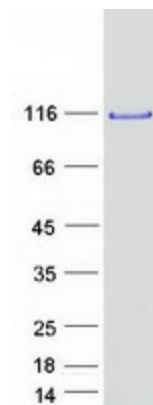
RefSeq Size: 2908  
RefSeq ORF: 2259  
Synonyms: IDDSADF; LENG2; NOT3; NOT3H  
Locus ID: 4849  
UniProt ID: [O75175](#), [A0A024R4R3](#)  
Cytogenetics: 19q13.42

**Summary:** 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. Additional complex functions may be a consequence of its influence on mRNA expression. May be involved in metabolic regulation; may be involved in recruitment of the CCR4-NOT complex to deadenylation target mRNAs involved in energy metabolism. Involved in mitotic progression and regulation of the spindle assembly checkpoint by regulating the stability of MAD1L1 mRNA. Can repress transcription and may link the CCR4-NOT complex to transcriptional regulation; the repressive function may involve histone deacetylases. Involved in the maintenance of embryonic stem (ES) cell identity.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Transcription Factors

**Protein Pathways:** RNA degradation

### Product images:



Coomassie blue staining of purified CNOT3 protein (Cat# [TP303795]). The protein was produced from HEK293T cells transfected with CNOT3 cDNA clone (Cat# [RC203795]) using MegaTran 2.0 (Cat# [TT210002]).