# Recombinant human RQCD1/CNOT9 protein

Catalog Number: ATGP0787

## PRODUCT INFORMATION

**Expression system**
E.coli

**Domain**
1-299aa

**UniProt No.**
Q92600

**NCBI Accession No.**
NP_005435

**Alternative Names**
CCR4-NOT transcription complex subunit 9, Cell differentiation protein RQCD1 homolog, Rcd-1, RCD1 required for cell differentiation1 homolog, RCD1, RCD1+, CT129, CAF40, Cancer/testis antigen 129

## PRODUCT SPECIFICATION

**Molecular Weight**
35.7 kDa (319aa) confirmed by MALDI-TOF

**Concentration**
1mg/ml (determined by Bradford assay)

**Formulation**
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol

**Purity**
> 95% by SDS-PAGE

**Tag**
His-Tag

**Application**
SDS-PAGE

**Storage Condition**
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Description**
RQCD1, also known as RCD1, is a novel transcriptional cofactor that mediates retinoic acid-induced cell differentiation. It down-regulates MYB- and JuN-dependent transcription and may play a role in cell differentiation. RQCD1 also plays a role in retinoic acid-controlled lung development. Recombinant human RQCD1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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### Amino acid Sequence

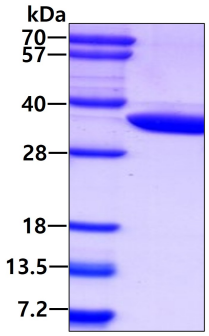
<MGSSHHHHHH SSGLVPRGSH> MHSLATAAPV PTTLAQVDRE KIYQWINELS SPETRENALL ELSKKRESVP DLAPMLWHSF GTIAALLQEI VNIYPSINPP TLTAHQSNRV CNALALLQCV ASHPETRSAF LAAHIPLFLY PFLHTVSKTR PFEYLRLTSL GVIGALVKTD EQEVINFLLT TEIIPLCLRI MESGSELSKT VATFILQKIL LDDTGLAYIC QTYERFSHVA MILGKMVLQL SKEPSARLLK HVVRCYLRLS DNPRAREALR QCLPDQLKDT TFAQVLKDDT TTKRWLAQLV KNLQEGQVTD PRGIPLPPQ

### General References

Garapaty S., et al. (2008) J Biol Chem. 283(11):6806-16.
Hiroi N., et al. (2002) EMBO J. 21(19):5235-44.

## DATA

### SDS-PAGE




3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.