

## RQCD1 Human

**Description:**RQCD1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 319 amino acids (1-299 a.a.) and having a molecular mass of 35.7kDa. The RQCD1 is purified by proprietary chromatographic techniques.

Catalog #:PRPS-015

For research use only.

**Synonyms:**Cell differentiation protein RCD1 homolog, Rcd-1, RQCD1, RCD1, CNOT9, CT129, RCD1+.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MHSALATAAPV PTTLAQVDRE  
KIYQWINELS SPETRENALL ELSKKRESVP DLAPMLWHSF GTIAALLQEI VNIYPSINPP  
TLTAHQSNRV CNALALLQCV ASHPETRSFAF LAAHIPLFLY PFLHTVSKTR PFEYLRRLTSL  
GVIGALVKTD EQEVINFLT TEIPLCLR I MESGSELSKT VATFILQKIL LDDTGLAYIC  
QTYERFSHVA MI

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

The RQCD1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.

**Stability:**

RQCD1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

RQCD1 is a novel transcriptional cofactor which mediates retinoic acid-induced cell differentiation. RQCD1 down-regulates MYB- and JUN-dependent transcription and may have a role in cell differentiation. RQCD1 also has a role in retinoic acid-controlled lung development.

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