

## Recombinant Human RQCD1, His-tagged

Cat. No. RQCD1-2883H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant human RQCD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>Description</b>      | 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.  |
| <b>Sequence</b>         | <p>MGSSHHHHHH SSGLVPRGSH MHS LATAAPV PTTLAQVDRE KIYQWINELS<br/>           SPETRENALL ELSKKRESVP DLAPMLWHSF GTIAALLQEI VNIYPSINPP<br/>           TLTAHQSNRV CNALALLQCV ASHPETRSF LAAHIPLFLY PFLHTVSKTR<br/>           PFEYLRLTSL GVIGALVKTD EQEVINFLT TEIPLCLRI MESGSELSKT VATFILQKIL<br/>           LDDTGLAYIC QTYERFSHVA MILGKMLQL SKEPSARLLK HVVRCYLRLS<br/>           DNPRAREALR QCLPDQLKDT TFAQVLKDDT TTKRWLAQLV KNLQEGQVTD<br/>           PRGIPLPPQ.</p> |
| <b>Purity</b>           | > 95% by SDS – PAGE.  |
| <b>MW</b>               | 35.7 kDa (319aa) confirmed by MALDI-TOF.  |
| <b>Form</b>             | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT.   |

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

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

## GENE INFORMATION

**Gene Name** RQCD1 RCD1 required for cell differentiation1 homolog (S. pombe) [ Homo sapiens ]

**Synonyms** RQCD1; required for cell differentiation1 homolog (S. pombe); CNOT9, CT129, RCD1, RCD1+; cancer/testis antigen 129; cell differentiation protein RCD1 homolog; protein involved in sexual development; rcd-1; rcd1 (required for cell differentiation, S.pombe) homolog 1

**Gene ID** 9125

**mRNA Refseq** NM\_005444

**Protein Refseq** NP\_005435


**MIM** 612054

**UniProt ID** Q92600

**Chromosome Location** 2q35

**Pathway** RNA degradation;Metabolism of RNA

**Function** protein binding

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