

## Recombinant Human RCBTB2 protein, His & T7-tagged

**Cat. No.** RCBTB2-1936H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RCBTB2 aa. (Ala394~Leu519 (Accession # O95199)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Ala394~Leu519                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | This gene encodes a protein containing two C-terminal BTB/POZ domains that is related to regulator of chromosome condensation (RCC). The encoded protein may act as a guanine nucleotide exchange factor. This gene is observed to be lost or underexpressed in prostate cancers. There is a pseudogene of this gene on chromosome 10. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 18.4kDa                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                                                                                             |

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>         | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>           | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                          |
| <b>Storage buffer</b>    | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                                                                                                                                                                                                                                                |
| <b>Reconstitution</b>    | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                                                                                                                                                                                                                           |
| <b>Isoelectric Point</b> | 4.8                                                                                                                                                                                                                                                                                                                                 |

## GENE INFORMATION

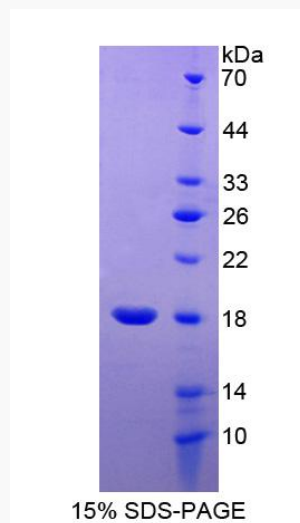
|                        |                                                                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | RCBTB2 RCC1 and BTB domain containing protein 2 [ Homo sapiens (human) ]                                                                                                                                                         |
| <b>Official Symbol</b> | RCBTB2                                                                                                                                                                                                                           |
| <b>Synonyms</b>        | RCBTB2; RCC1 and BTB domain containing protein 2; RLG; CHC1L; RCC1 and BTB domain-containing protein 2; RCC1-like G exchanging factor RLG; regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2 |
| <b>Gene ID</b>         | 1102                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_001268.3                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_001259.1                                                                                                                                                                                                                      |
| <b>UniProt ID</b>      | O95199                                                                                                                                                                                                                           |

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SDS-PAGE



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