

## Active Recombinant Human RBBP5 Protein

Cat. No. RBBP5-082H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human RBBP5 protein without tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | <p>This gene encodes a ubiquitously expressed nuclear protein which belongs to a highly conserved subfamily of WD-repeat proteins. The encoded protein binds directly to retinoblastoma protein, which regulates cell proliferation. It interacts preferentially with the underphosphorylated retinoblastoma protein via the E1A-binding pocket B. Three alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.</p> |
| <b>Bio-activity</b>     | <p>Activity was demonstrated by a radiometric assay of the MLL1/WAR complex (Ash2L, WDR5, RbBP5 and MLL1) and MLL1/WARD complex (Ash2L, WDR5, RbBP5, MLL1, and DPY-30) using [3H]-S-adenosylmethionine and Core Histones which specifically methylates Histone H3.</p>                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 72.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Stability</b>        | ≥ 1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | At -80 centigrade.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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**Storage Buffer** 50 mM Tris, pH 8.0, containing 150 mM sodium chloride and 20% glycerol

## GENE INFORMATION

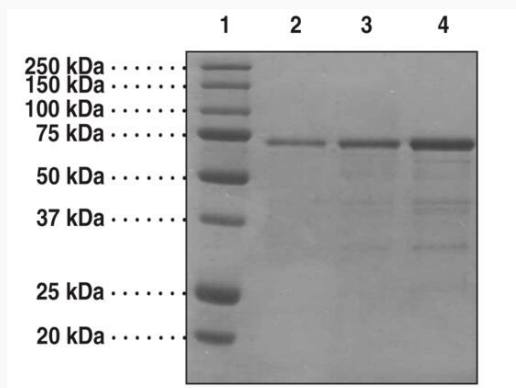
|                        |                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | RBBP5 RB binding protein 5, histone lysine methyltransferase complex subunit [ Homo sapiens (human) ]                                                                                                               |
| <b>Official Symbol</b> | RBBP5                                                                                                                                                                                                               |
| <b>Synonyms</b>        | RBBP5; RB binding protein 5, histone lysine methyltransferase complex subunit; RBQ3; SWD1; retinoblastoma-binding protein 5; RBBP-5; SWD1, Set1c WD40 repeat protein, homolog; retinoblastoma-binding protein RBQ-3 |
| <b>Gene ID</b>         | 5929                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>     | NM_005057                                                                                                                                                                                                           |
| <b>Protein Refseq</b>  | NP_005048                                                                                                                                                                                                           |
| <b>MIM</b>             | 600697                                                                                                                                                                                                              |
| <b>UniProt ID</b>      | Q15291                                                                                                                                                                                                              |

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**SDS-PAGE analysis  
of RBBP5**



Lane 1: MW Markers

Lane 2: RBBP5 (1 µg)

Lane 3: RBBP5 (2 µg)

Lane 4: RBBP5 (5 µg)