

# Recombinant Human RBM14, His-tagged

**Cat. No.** RBM14-31045TH    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant full length protein, corresponding to amino acids 1-669 of Human RBM14 with N terminal His tag, 93kDa.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 1-669 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | This gene encodes a ribonucleoprotein that functions as a general nuclear coactivator, and an RNA splicing modulator. This protein contains two RNA recognition motifs (RRM) at the N-terminus, and multiple hexapeptide repeat domain at the C-terminus that interacts with thyroid hormone receptor-binding protein (TRBP), and is required for transcription activation. Alternatively spliced transcript variants encoding different isoforms (with opposing effects on transcription) have been described for this gene. |
| <b>Conjugation</b>      | HIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilised:Reconstitute with 159 µl aqua dest.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage buffer</b>   | Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>          | Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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**Sequences of amino acids**

MKIFVGNVDGADTTPEELAALFAPYGTVMSCAVMKQFAFV HMRENAGALRAIEALH  
 GHELRPGRALVVEMSRPRPLNT WKIFVGNVSAACTSQELRSLFERRGRVIECDVVK  
 DYAF VHMEKEADAKAAIAQLNGKEVKGKRINVELSTKGQKKGPG LAVQSGDKTKK  
 PGAGDTAFPGTGGFSATFDYQQAFGNS TGGFDGQARQPTPPFFGRDRSPLRRSP  
 PRASYVAPLTA QPATYRAQPSVSLGAAYRAQPSASLGVGYRTQPMTAQAAS YRA  
 QPSVSLGAPYRGQLASPSSQSAAASSLGPYGAQP SASALSSYGGQAAAASSLNS  
 YGAQGSSLASYGNQPSSY GAQAASSYGVRAAASSYNTQGAASSLGSYGAQAASY  
 GAQS AASSLAYGAQAASYNAPSAQSYNAQSAQAPYAAQQAASYS SQPAAYVAQPAT  
 AAAYASQPAAYAAQATTPMAGSYGAQ PVVQTQLNSYGAQASMGLSGSYGAQSAA  
 AATGSYGAAAAY GAQPSATLAAPYRTQSSASLAASYAAQHPQAAASYRG QPGN  
 AYDGAGQPSAAYLSMSQGAVANANSTPPPYERTR LSPPRASYDDPYKKAVAMSKR  
 YGSDRRLAELSDYRRLSES QLSFRRSPTKSSLDYRRLPDAHSDYARYSGSYNDYL  
 RA AQMHSGYQRRM

**Full Length**

Full L.

**GENE INFORMATION**
**Gene Name**

RBM14 RNA binding motif protein 14 [ Homo sapiens ]

**Official Symbol**

RBM14

**Synonyms**

RBM14; RNA binding motif protein 14; RNA-binding protein 14; COAA; coactivator activator; DKFZp779J0927; SIP; SYT interacting protein; SYTIP1;

**Gene ID**

10432

**mRNA Refseq**

NM\_001198836

**Protein Refseq**

NP\_001185765

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MIM</b>                 | 612409                                                                                                                                                                          |
| <b>Uniprot ID</b>          | Q96PK6                                                                                                                                                                          |
| <b>Chromosome Location</b> | 11q13.2                                                                                                                                                                         |
| <b>Function</b>            | RNA binding; RNA polymerase II transcription cofactor activity; ligand-dependent nuclear receptor transcription coactivator activity; nucleic acid binding; nucleotide binding; |

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