

# Recombinant Human RRM1 Protein (1-792 aa), His-SUMO-tagged

**Cat. No.** RRM1-785H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RRM1 Protein (1-792 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-792 aa                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides.                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 106.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MHVIKRDGRQERVFMFDKITSRIQKLCYGLNMDFVDPAQITMKVIQGLYSGVTTVELD<br>TLAAETAATLTTKHPDYAILAARIAVSNLHKETKKVFSDVMEDLYNYINPHNGKHSPM<br>VAKSTLDIVLANKDRLNSAIYDRDFSNYFGFKTLERSYLLKINGKVAERPQHMLMR<br>VSVGIIHKEDIDAAIETYNNLSERWFTHASPTLFNAGTNRPQLSSCFLLSMKDDSIIEGY<br>DTLKQCALISKSAGGIGVAVSCIRATGSYIAGTNGNSNGLVPMLRVYNNNTARYVDQG<br>GNKRPGAFAYILEPWHLDFEFLDLKKNTGKEEQRRARDLFFALWIPDLFMKRVTETNQ<br>DWSLMCPNECPGLDEVWGEEFEKLYASYEKQGRVRKVVKAAQQLWYAIIESQTETG |

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TPYMLYKDSCNRKSNQQNLGTIKCSNLCTEIVEYTSKDEVAVCNLASLALNMYVTSE  
 HTYDFKKLAEVTKVVVRNLNKIIDINYYPVPEACLSNKRHRPIGIGVQGLADAFILMRY  
 PFESAEAQLLNKQIFETIYYGALEASCDLAKEQGPYETYEGSPVSKGILQYDMWNVT  
 PTDLWDWKVLKEKIAKYGIRNSLLIAPMPTASTAQILGNNEPIEYTSNIYTRRVLSGE  
 FQIVNPHLLKDLTERGLWHEEMKNQIIACNGSIQSIPEIPDDLKQLYKTVWEISQKTVL  
 KMAAERGAFIDQSQSLNIHIAEPNYGKLTSMHFYGWKQGLKTGMYYLRTRPAANPIQ  
 FTLNKEKLKDKEKVSKEEEEEKERNTAAMVCSLENRDECLMCGS

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with concentration instruction is sent along with the products.

## GENE INFORMATION

**Gene Name** [RRM1 ribonucleotide reductase M1 \[ Homo sapiens \]](#)

**Official Symbol** [RRM1](#)

**Synonyms** RRM1; R1; RR1; RIR1;

**Gene ID** [6240](#)

**mRNA Refseq** [NM\\_001033](#)

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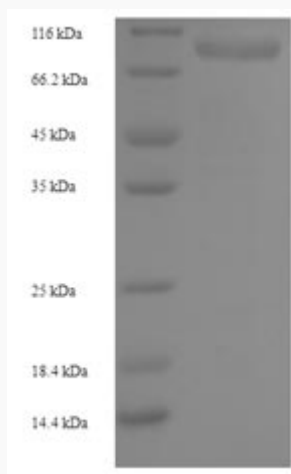
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**Protein Refseq** NP\_001024

**MIM** 180410

**UniProt ID** P23921



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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