

Recombinant Human RRM1 Protein Product Manual

1. Product Basic Information

Product No.: REP08133

Protein Name: Ribonucleotide Reductase, R1 Subunit (RRM1)

Aliases: R1; RR1; RIR1; PEOB6; ribonucleotide reductase, R1 subunit; ribonucleotide reductase M1 polypeptide; ribonucleotide reductase catalytic subunit M1; ribonucleoside-diphosphate reductase subunit M1

UniProt ID: P23921

UniProt Link: <https://www.uniprot.org/uniprotkb/P23921/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-792aa)

Molecular Weight: 106.1kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-792aa)

MHVIKRDGRQERVMFDKITSRIQKLCYGLNMDFVDPAQITMKVIQGLYSGVTTVELD
TLAAETAATLTTKHPDYAILAARIAVSNLHKETKKVFSVDMEDLYNYINPHNGKHSPM
VAKSTLDIVLANKDRLNSAIYDRDFSNYFGFKTLERSYLLKINGKVAERPQHMLMR
VSVGIIHKEDIDAAIETYNLLSERWFTHASPTLFNAGTNRPQLSSCFLLSMKDDSI
YDTLKQCALISKSAGGIGVAVSCIRATGSYIAGTNGNSNGLVPMLRVYNNTARYVDQ
GGNKRPGAFAYILEPWHLDFEFLDLKNTGKEEQRRARDLFFALWIPDLFMKRVETN
QDWSLMCPNECPGLDEVWGEEFEKLYASYEKQGRVRKVKAQQLWYAIIESQTET
GTPYMLYKDSCNRKSNQQNLGTIKCSNLCTEIVEYTSKDEVAVCNLASLALNMYVT
SEHTYDFKKLAEVTKVVRNLNKIIDINYYPVPEACLSNKRHRPIGIGVQGLADAFILM
RYPFESAEAQLLNKQIFETIYYGALEASCDLAKEQGPYETEGSPVSKGILQYDMWN
VTPTDLWDWKVLKEKIAKYGIRNSLLIAPMPTASTAQILGNNESIEPYTSNIYTRRVLS
GEFQIVNPHLLKDLTERGLWHEEMKNQIIACNGSIQSIPEIPDDLKQLYKTVWEISQK
TVLKMAAERGAFIGSQSLNIHIAEPNYGKLTSMHFYGWKQGLKTGMYYLRTRPAA
NPIQFTLNKEKLDKEKVSKEEEEEKERNTAAMVCSLENRDECLMCGS



3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human RRM1 full length protein (1-792aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. RRM1, also known as R1 or RR1 or RIR1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.