

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	1-792 aa
Description	Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	106.1 kDa
AA Sequence	MHVIKRDGRQERVFMFDKITSRIQKLCYGLNMDFVDPAQITMKVIQGLYSGVTTVELD TLAAETAATLTTKHPDYAILAARIAVSNLHKETKKVFSDVMEDLYNYINPHNGKHSPM VAKSTLDIVLANKDRLNSAIIYDRDFSNYFGFKTLERSYLLKINGKVAERPQHMLMR VSVGIIHKEDIDAAIETYNNLSERWFTHASPTLFNAGTNRPQLSSCFLLSMKDDSIIEGIY DTLKQCALISKSAGGIGVAVSCIRATGSYIAGTNGNSNGLVPMRLRVYNNNTARYVDQG GNKRPGAFAIYLEPWHLDFEFLDLKKNTGKEEQRRARDLFFALWIPDLFMKRVTETNQ 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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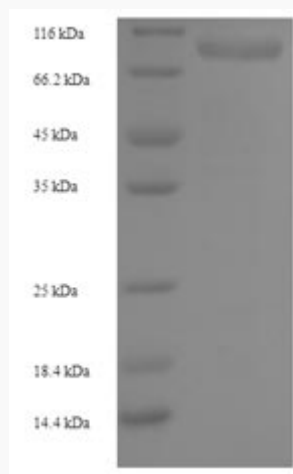
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Protein Refseq NP_001024

MIM 180410

UniProt ID P23921



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

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