

## Recombinant Human RRM1 protein(Met1-Ser792), His&GST-tagged

**Cat. No.** RRM1-1318H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RRM1 (P23921) (Met1-Ser792) was fused in Insect Cells with the N-terminal polyhistidine-tagged GST tag at the N-terminus.                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                              |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Met1-Ser792                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8. 0, 3mM DTT, 10% glycerol<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                         |
| <b>Molecular Mass</b>   | The recombinant Human RRM1/GST chimera consists of 1029 amino acids and has a calculated molecular mass of 117.9 kDa. The recombinant protein migRates approximately 98 kDa band in SDS-PAGE under reducing conditions.                            |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                     |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                   |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.<br>Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

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

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

**Synonyms** RRM1; ribonucleotide reductase M1; ribonucleotide reductase M1 polypeptide; ribonucleoside-diphosphate reductase large subunit; ribonucleotide reductase, R1 subunit; ribonucleotide reductase, large subunit; ribonucleoside-diphosphate reductase subunit M1; R1; RR1; RIR1;

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

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

**Protein Refseq** [NP\\_001024](#)

**MIM** [180410](#)

**UniProt ID** [P23921](#)

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