

## RRM1 Protein, Human (sf9, His-GST)

Cat. No.:	HY-P74591
Synonyms:	Ribonucleoside-diphosphate reductase large subunit; RRM1; RR1
Species:	Human
Source:	Sf9 insect cells
Accession:	P23921 (M1-S792)
Gene ID:	6240
Molecular Weight:	Approximately 98 kDa

### PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of 20 mM Tris, 500 mM NaCl, pH 8.0, 3 mM DTT, 10% Glycerol. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	The RRM1 protein serves a crucial role in DNA synthesis by catalyzing the biosynthesis of deoxyribonucleotides from their corresponding ribonucleotide precursors. This enzymatic activity is essential for providing the necessary building blocks required for the intricate process of DNA replication, ensuring the accurate and efficient synthesis of new DNA strands.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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