

# Recombinant Human Ribonucleotide Reductase M2, T7-tagged

Cat. No. RRM2-820H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant RRM2 protein, fused to T7-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 44878Da (389aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Ribonucleoside-diphosphate reductase subunit M2, also known as ribonucleotide reductase small subunit, is an <a href="#">enzyme</a> that in humans is encoded by the <a href="#">RRM2 gene</a> .
<b>Sequences of amino acids</b>	<p>           MLSLRVPLP ITDPQQQLQLS PLKGLSLVDK ENTPPALSGT RVLASKTARR            IFQEPTPEPKT KAAAPGVEDE PLLRENPRRF VIFPIEYHDI WQMYKKA EAS            FWTAAEEVDLS KDIQHWESLK PEERYEISHV LAFFAASDGI V NENLVERFS            QEVQITEARC FYGFQIAMEN IHSEMYSLLI DTYIKDPKER EFLFNAIETM            PCVKKKADWA LRWIGDK EAT YGERVVAF AA VEGIFFSGSF ASIFWLK KRG            LMPGLTFSNE LISRDEGLHC D FACL MFKHL VHKPSEERVR EIIINAVRIE            QEELTEALPV KLIGMNCTLM KQYIEFVADR LMLELGF SKV FRVENPFDFM            ENISLEGKTN FFEKRVGEYQ RMGVMSSPTE NSFTLDADF         </p>
<b>Formulation</b>	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN <sub>3</sub> . 10mM DTT
<b>Clonality</b>	N/A
<b>Purity</b>	95% by SDS - PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Applications** MS. SDS

## GENE INFORMATION

**Gene Name** [RRM2 ribonucleotide reductase M2 \[Homo sapiens\]](#)

**Synonyms** RRM2; RR2M; RR2; R2; EC 1.17.4.1; ribonucleotide reductase M2; ribonucleotide reductase M2 polypeptide; ribonucleoside-diphosphate reductase subunit M2; Ribonucleotide reductase small chain; Ribonucleotide reductase small subunit; OTTHUMP00000115511; OTTHUMP00000214026

**Gene ID** [6241](#)

**mRNA Refseq** [NM\\_001034](#)

**Protein Refseq** [NP\\_001025](#)

**MIM** [180390](#)

**UniProt ID** [P31350](#)

**Chromosome Location** 2P25-P24

**Pathway** Glutathione metabolism; Metabolic pathways; Purine metabolism; Pyrimidine metabolism; p53 signaling pathway

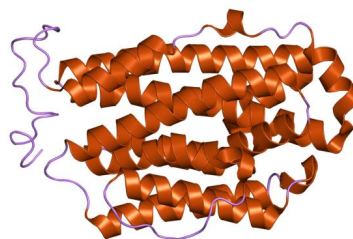
**Function** Oxidoreductase activity; protein binding; ribonucleoside-diphosphate reductase activity; ribonucleoside-diphosphate reductase activity; transition metal ion binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**PDBrendering based  
on 1h0o. Available  
structures:1h0o,1w68,1:**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA