

Recombinant Human Ribonucleotide Reductase M2, T7-tagged

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

SPECIFICATION

Product Overview	Recombinant RRM2 protein, fused to T7-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques, 44878Da (389aa).
Species	Human
Source	E.coli
Description	Ribonucleoside-diphosphate reductase subunit M2, also known as ribonucleotide reductase small subunit, is an enzyme that in humans is encoded by the RRM2 gene .
Sequences of amino acids	MLSLRVPLP ITDPQQQLQLS PLKGLSLVDK ENTPPALSGT RVLASKTARR IFQEPTPKT KAAAPGVEDE PLLRENPRRF VIFPIEYHDI WQMYKKAES FWTAEEVDLS KDIQHWESLK PEERYEISHV LAFFAASDGI VNENLVERFS QEVQITEARC FYGFQIAMEN IHSEMYSLI DTYIKDPKER EFLFNAIETM PCVKKKADWA LRWIGDKEAT YGERVVAFAA VEGIFFSGSF ASIFWLKKRG LMPGLTFSNE LISRDEGLHC DFACLMFKHL VHKPSEERVR EIIINAVRIE QEELTEALPV KLIGMNCTLM KQYIEFVADR LMLELGFSKV FRVENPFDFM ENISLEGKTN FFEKRVGEYQ RMGVMSSPTE NSFTLDADF
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ . 10mM DTT
Clonality	N/A
Purity	95% by SDS - PAGE

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

 Email: 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

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