

## RRM2 Human

**Description:** RRM2 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 409 amino acids (1-389 a.a.) and having a molecular mass of 47 kDa. The RRM2 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-530

For research use only.

**Synonyms:** EC 1.17.4.1, RR2M, RR2, Ribonucleotide Reductase M2, R2, RRM2.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MLSLRVPLAP ITDPQQLQLS  
PLKGLSLVDK ENTPPALSGT RVLASKTARR IFQEPTPEPKT KAAAPGVEDE PLLRENPRRF  
VIFPIEYHDI WQMYKAEAS FWTAEEVDLS KDIQHWESLK PEERYFISHV LAFFAASDGI  
VNENLVERFS QEVQITEARC FYGFQIAMEN IHSEMYSLLI DTYIKDPKER EFLFNAIETM  
PCVKKKADWA LR

**Purity:** Greater than 85.0% as determined by SDS-PAGE.

**Formulation:**

RRM2 Human containing 20mM Tris HCL pH-8, 0.1M NaCl, & 10% glycerol.

**Stability:**

RRM2 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.  
Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

RRM2 catalyzes the formation of deoxyribonucleotides from ribonucleotides. Synthesis RRM2 is regulated in a cell-cycle dependent method. RRM2 supplies the precursors essential for DNA synthesis. RRM2 catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. RRM2 Inhibits Wnt signaling.

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