

Recombinant Human RRM2 Protein

Catalog #	Source	Reactivity	Applications
CRP2221	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human RRM2 Protein is produced by our mammalian expression system and the target gene encoding Met1-Phe389 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Gene Symbol RRM2

Alternative Names RR2; Ribonucleoside-diphosphate reductase subunit M2; Ribonucleotide reductase small chain; Ribonucleotide reductase small subunit

Entrez Gene 6241 (Human)

SwissProt P31350 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure MLSLRVPLAP ITDPQQLQLS PLKGLSLVDK ENTTPALSGT RVLASKTARR IFQEPTPKT
 KAAAPGVEDE PLLRENPRRF VIFPIEYHDI WQMYKKA EAS FWTAEEVDLS KDIQHWESLK
 PEERYFISHV LAFFAASDGI VNENLVERFS QEVQITEARC FYGFQIAMEN IHSEMYSLLI
 DTYIKDPKER EFLFNAIETM PCVKKKADWA LRWIGDKEAT YGERVVAF AA VEGIFFSGSF
 ASIFWLKKRG LMPGLTFSNE LISRDEGLHC DFLACLMFKHL VHKPSEERVR EIIINAVRIE
 QEFLTEALPV KLIGMNCTLM KQYIEFVADR LMLELGFSKV FRVENPFDFM ENISLEGKTN
 FFEKRVGEYQ RMGVMSSPTE NSFTLDADFL EHHHHHHH

Quality Control Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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