



# Recombinant Rat Ribonucleoside-diphosphate reductase subunit M2 (Rrm2)

<b>Product Code</b>	CSB-EP679991RA
<b>Abbreviation</b>	Rrm2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q4KLN6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MLSVRAPLAT IADQQQLHLS PLKRLSLADK ENTPPTLSSA RVLASKAARR IFQDSAELES KAPTKPSIEE EPLLRENPRR FVVFPIEYHD IWQMYKKAEA SFWTAAEVDL SKDIQHWEAL KPDERHFISH VLAFFAASDG IVNENLVERF SQEVQVTEAR CFYGFQIAME NIHSEMYSLI IDTYIKDSKE REYLFNAIET MPCVKKKADW ALRWIGDKEA TYGERVVAFA AVEGIFFSGS FASIFWLKKR GLMPGLTFSN ELISRDEGLH CDFACLMFKH LVHKPSEQRV KEITNSVRI EQEFLTEALP VKLIGMNCTL MKQYIEFVAD RLMLELGFNK IFKVENPFDF MENISLEGKT NFFEKRVGGEY QRMGVMSNST ENSFTLDADF
<b>Source</b>	E.coli
<b>Target Names</b>	Rrm2
<b>Protein Names</b>	Recommended name: Ribonucleoside-diphosphate reductase subunit M2 EC=1.17.4.1 Alternative name(s): Ribonucleotide reductase small chain Ribonucleotide reductase small subunit
<b>Expression Region</b>	1-390
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes one of two non-identical subunits for ribonucleotide reductase. This reductase catalyzes the formation of deoxyribonucleotides from ribonucleotides. Synthesis of the encoded protein (M2) is regulated in a cell-cycle dependent fashion. Transcription from this gene can initiate from alternative promoters, which results in two isoforms that differ in the lengths of their N-termini. Related pseudogenes have been identified on chromosomes 1 and X.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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