



Recombinant Mouse Ribonucleoside-diphosphate reductase subunit M2 (Rrm2)

Product Code	CSB-EP020519MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P11157
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MLSVRTPLAT IADQQQLQLS PLKRLTLADK ENTPPTLSST RVLASKAARR IFQDSAELES KAPTNPVED EPLLRENPRR FVVFPIEYHD IWQMYKKAEA SFWTAAEVDL SKDIQHWEAL KPDERHFISH VLAFFAASDG IVNENLVERF SQEVQVTEAR CFYGFQIAME NIHSEMYSL IDTYIKDPKE REYLFNAIET MPCVKKKADW ALRWIGDKEA TYGERVVAFA AVEGIFFSGS FASIFWLKKR GLMPGLTFSN ELISRDEGLH CDFACLMFKH LVHKPAEQRV REITNAVRI EQEFLTEALP VKLIGMNCTL MKQYIEFVAD RLMLELGFNK IFRVENPFDF MENISLEGKT NFFEKRVG EY QRMGVMSNST ENSFTLDADF
Source	E.coli
Target Names	Rrm2
Protein Names	Recommended name: Ribonucleoside-diphosphate reductase subunit M2 EC= 1.17.4.1 Alternative name(s): Ribonucleotide reductase small chain Ribonucleotide reductase small subunit
Expression Region	1-390
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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

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.