



# Recombinant Mouse Ribonucleoside-diphosphate reductase large subunit (Rrm1)

<b>Product Code</b>	CSB-EP020518MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P07742
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MHVIKRDGRQ ERVMFDKITS RIQKLCYGLN MDFVDPAQIT MKVIQGLYSG VTTVELDTLA AETAATLTTK HPDYAILAAR IAVSNLHKET KKVFSQVDMED LNYINPHNG RHSPMVASST LDIVMANKDR LNSAIIYDRD FSYNYFGFKT LERSYLLKIN GKVAERPQHM LMRVSVGIHK EDIDAAIETY NLLSEKWFTH ASPTLFNAGT NRPQLSSCFL LSMKDDSIIEG IYDTLKQCAL ISKSAGGIGV AVSCIRATGS YIAGTNGNSN GLVPMLRVYN NTARYVDQGG NKRPGAFAY LEPWHLDFE FLDLKKNTGK EEQRARDLFF ALWIPDLFMK RVETNQDWSL MCPNECPGLD EVWGEEFEKL YESYEKQGRV RKVVKAQQLW YAIIESQTET GTPYMLYKDS CNRKSNNQNL GTIKCSNLCT EIVEYTSKDE VAVCNLASLA LNMYVTPEHT YDFEKLAEVT KVIVRNLNKI IDINYYPEPE AHLNKRHRP IGIGVQGLAD AFILMRYPFE SPEAQLLNKQ IFETIYYGAL EASCELAKEY GPYETYEGSP VSKGILQYDM WNVAPDLWD WKPLKEKIAK YGIRNSLLIA PMPTASTAQI LGNNESIEPY TSNIYTRRVL SGEFQIVNPH LLKDLTERGL WNEEMKNQII ACNGSIQSIP EIPDDLKQLY KTVWEISQKT VLKMAAERGA FIDQSQSLNI HIAEPNYGKL TSMHFGWKQ GLKTGMYYLR TRPAANPIQF TLNKEKLDKDK EKALKEEEEEK ERNTAAMVCS LENREECLMC GS
<b>Source</b>	E.coli
<b>Target Names</b>	Rrm1
<b>Protein Names</b>	Recommended name: Ribonucleoside-diphosphate reductase large subunit EC= 1.17.4.1 Alternative name(s): Ribonucleoside-diphosphate reductase subunit M1 Ribonucleotide reductase large subunit
<b>Expression Region</b>	1-792
<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 that constitute ribonucleoside-diphosphate reductase, an enzyme essential for the production of deoxyribonucleotides prior to DNA synthesis in S phase of dividing cells. It is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor,



rhabdomyosarcoma, adrenocrotical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region.

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**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.

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**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.