Recombinant Mouse Ribonucleoside-diphosphate reductase large subunit (Rrm1)

Product Code	CSB-YP020518MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P07742
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MHVIKRDGRQ ERVMFDKITS RIQKLCYGLN MDFVDPAQIT MKVIQGLYSG VTTVELDTLA AETAATLTTK HPDYAILAAR IAVSNLHKET KKVFSDVMED LYNYINPHNG RHSPMVASST LDIVMANKDR LNSAIIYDRD FSYNYFGFKT LERSYLLKIN GKVAERPQHM LMRVSVGIHK EDIDAAIETY NLLSEKWFTH ASPTLFNAGT NRPQLSSCFL LSMKDDSIEG IYDTLKQCAL ISKSAGGIGV AVSCIRATGS YIAGTNGNSN GLVPMLRVYN NTARYVDQGG NKRPGAFAIY LEPWHLDIFE FLDLKKNTGK EEQRARDLFF ALWIPDLFMK RVETNQDWSL MCPNECPGLD EVWGEEFEKL YESYEKQGRV RKVVKAQQLW YAIIESQTET GTPYMLYKDS CNRKSNQQNL GTIKCSNLCT EIVEYTSKDE VAVCNLASLA LNMYVTPEHT YDFEKLAEVT KVIVRNLNKI IDINYYPIPE AHLSNKRHRP IGIGVQGLAD AFILMRYPFE SPEAQLLNKQ IFETIYYGAL EASCELAKEY GPYETYEGSP VSKGILQYDM WNVAPTDLWD WKPLKEKIAK YGIRNSLLIA PMPTASTAQI LGNNESIEPY TSNIYTRRVL SGEFQIVNPH LLKDLTERGL WNEEMKNQII ACNGSIQSIP EIPDDLKQLY KTVWEISQKT VLKMAAERGA FIDQSQSLNI HIAEPNYGKL TSMHFYGWKQ GLKTGMYYLR TRPAANPIQF TLNKEKLKDK EKALKEEEEK ERNTAAMVCS LENREECLMC GS
Source	Yeast
Target Names	Rrm1
Protein Names	Recommended name: Ribonucleoside-diphosphate reductase large subunit EC= 1.17.4.1 Alternative name(s): Ribonucleoside-diphosphate reductase subunit M1 Ribonucleotide reductase large subunit
Expression Region	1-792
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 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.
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.