Recombinant Human Ribonucleoside-diphosphate reductase subunit M2 (RRM2)

Product Code	CSB-YP020519HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P31350
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MLSLRVPLAP ITDPQQLQLS PLKGLSLVDK ENTPPALSGT RVLASKTARR IFQEPTEPKT KAAAPGVEDE PLLRENPRRF VIFPIEYHDI WQMYKKAEAS FWTAEEVDLS KDIQHWESLK PEERYFISHV LAFFAASDGI VNENLVERFS QEVQITEARC FYGFQIAMEN IHSEMYSLLI DTYIKDPKER EFLFNAIETM PCVKKKADWA LRWIGDKEAT YGERVVAFAA VEGIFFSGSF ASIFWLKKRG LMPGLTFSNE LISRDEGLHC DFACLMFKHL VHKPSEERVR EIIINAVRIE QEFLTEALPV KLIGMNCTLM KQYIEFVADR LMLELGFSKV FRVENPFDFM ENISLEGKTN FFEKRVGEYQ RMGVMSSPTE NSFTLDADF
Source	Yeast
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	1-389
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.