



Recombinant Rat Lamin-B1 (Lmnb1)

Product Code	CSB-EP013004RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P70615
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	ATATPVQQR AGSRASAPAT PFSPTRLSRL QEKEELRELN DRLAVYIDKV RSLETENSAL QLQVTEREEV RGRELTGLKA LYETELADAR RALDDTARER AKLQIELGKF KAEHDQLLN YAKKESDLSG AQIKLREYEA ALNSKDAALA TALGDKKSLE GDLEDLKDQI AQLEASLSAA KKQLADETLL KVDLENRCQS LTEDLEFRKN MYEEEINETR RKHETRLVEV DSGRQIEY EY KLAQALHEMR EQHDAQVRLY KEELEQTYHA KLENARLSSE MNTSTVNSAR GGMMESRMRI ESLSSQLSNL QKDSRACLER IQELEDMLAK ERDNSRRMLS DKEREMAEIR DQMQQQLNDY EQLLDVKLAL DMEISAYRKL LEGEEERLKL SPSRSSRVTV SRASSRSVR TTRGKRKRVD VEESEASSSV SISHSASATG NVCIEEIDVD GKFIRLKNTS EQDQPMGGWE MIRKIGDTSV SYKYTSRYVL KAGQTVTVWA ANAGVTASPP TDLIWKQNS WGTGEDVKV LKNSQGEEVA QRSTVFKTTI PEEEEEEEEE PIGVPLEEER FHQQGTPRAS NKSC
Source	E.coli
Target Names	Lmnb1
Protein Names	Recommended name: Lamin-B1
Expression Region	2-584
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 of Mature Protein
Target Details	The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B. This gene encodes one of the two B type proteins, B1.
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.