



Recombinant Mouse Lamin-B1 (Lmnb1)

Product Code	CSB-EP013004MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P14733
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	ATATPVQQQ RAGSRASAPA TPLSPTRLR LQEKEELREL NDRLAVYIDK VRSLETENSA LQLQVTEREE VRGRELTKL ALYETELADA RRALDDTARE RAKLQIELGK FKAHDQLLL NYAKKESDLS GAQIKLREYE AALNSKDAAL ATALGDKKSL EGDLEDLKDQ IAQLEASLSA AKKQLADETL LKVDLENRCQ SLTEDLEFRK NMYEEEINER RRKHETRLVE VDSGRQIEYE YKLAQALHEM REQHDAQVRL YKEELEQTYH AKLENARLSS EMNTSTVNSA REELMESRMR IESLSSQLSN LQKESRACLE RIQELEDMLA KERDNSRRML SDREREMAEI RDQMQQQLSD YEQLLDVKLA LDMEISAYRK LLEGEEERLK LSPSPSSRVT VSRASSRSV RTTRGKRKRKRV DVEESEASSS VSISHSASAT GNVCIIEIDV DGKFIRLKNKNT SEQDQPMGGW EMIRKIGDTS VSYKYTSRYV LKAGQTVTVW AANAGVTASP PTDLIWKNQN SWGTGEDVKV ILKNSQGEEV AQRSTVFKTT IPEEEEEEEE EPIGVAVEEEE RFHQQGAPRA SNKSC
Source	E.coli
Target Names	Lmnb1
Protein Names	Recommended name: Lamin-B1
Expression Region	2-585
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.