



Recombinant Mouse Nibrin (Nbn)

Product Code	CSB-YP015486MO
Abbreviation	Nbn
Storage	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.
Uniprot No.	Q9R207
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MWKLLPAAGA APGEPYRLLA GVEYVVGRKN CGILIENDQS ISRNHAVLTV NFPVTSLSQT DEIPTLTIKD NSKYGTFVNE EKMQTGLSCT LKTGDRVTFG VFESKFRVEY EPLVVCSSCL DVSGKTVLNQ AILQLGGLTA NNWTEECTHL VMSAVKVTIK TICALICGRP IIKPEYFSEF LKAVESKKQP PDIESFYPI DEPAIGSKSV DLSGRHERKQ IFKGKTFVFL NAKQHKKLSS AVAFGGGEAR LMAEDDEEEQ SFFSAPGTCV VDVGITNTQL IISHSQKKWI HLIMDTLQRN GLRPIPEAEI GLAVIFMTTE NYCNPQGQPC TELKTTTPGP SLSQVLSANG KIIPSAPVNM TTYVADTESE PADTCMPLSE RPEEVKIPGL EQSSRKLSQE TFNIKEAPKP SSKANNVASD TLVRGKTPSY QLSPMKFPVA NKNKDWTSSQ QQNSIKNYFQ PCTRKREDE DNPESLSSCKS SRMELSCSLLEQTQPAGPSL WKSKEHQSQN ATLDREADTS SVGGMDIELN RKSPDRKPLP TETLRPRKRK DVDLATEEEV LEELLRSTKP ELAVQVKVEK QEADDTIRKK PRMDAERNRP LNGGSEPESEN SALQEDEREK KDELQTESWS TKHEIANS DG LQDSSEELPR KLLLTEFRSL VVSNHNSTSR NLCVNECGPL KNFKKFKKAT FPGAGKLPHI IGGSDLVGHH ARKNTELEEW LKQEMEVQKQ QAKEESLADD LFRYNPNVKR R
Source	Yeast
Target Names	Nbn
Protein Names	Recommended name: Nibrin Alternative name(s): Cell cycle regulatory protein p95 Nijmegen breakage syndrome protein 1 homolog
Expression Region	1-751
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	Mutations in this gene are associated with Nijmegen breakage syndrome, an autosomal recessive chromosomal instability syndrome characterized by microcephaly, growth retardation, immunodeficiency, and cancer predisposition. The encoded protein is a member of the MRE11/RAD50 double-strand break



repair complex which consists of 5 proteins. This gene product is thought to be involved in DNA double-strand break repair and DNA damage-induced checkpoint activation.

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

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