



# Recombinant Human Nibrin (NBN)

<b>Product Code</b>	CSB-EP015486HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O60934
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MWKLLPAAGP AGGEPYRLLT GVEYVVGRKN CAILIENDQS ISRNHAVLTA NFSVTNLSQT DEIPVLTLDK NSKYGTFVNE EKMQNGFSRT LKSGDGITFG VFGSKFRIEY EPLVACSSCL DVSGKTALNQ AILQLGGFTV NNWTEECTHL VMVSVKVTIK TICALICGRP IVKPEYFTEF LKAVESKKQP PQIESFYPL DEPSIGSKNV DLSGRQERKQ IFKGKTFIFL NAKQHKKLSS AVVFGGGEAR LITEENEEH NFFLAPGTCV VDTGITNSQT LIPDCQKKWI QSIMDMLQRQ GLRPIPEAEI GLAVIFMTTK NYCDPQGHPS TGLKTTTPGP SLSQGVSVDE KLMPSAPVNT TTYVADTESE QADTWDLSER PKEIKVSKME QKFRMLSQDA PTVKESCKTS SNNNSMVSNT LAKMRIPNYQ LSPTKLPSIN KSKDRASQQQ QTNSIRNYFQ PSTKKRERDE ENQEMSSCKS ARIETSCSLL EQTQPATPSL WKNKEQHLSE NEPVDTNSDN NLFTDIDLKS IVKNSASKSH AAEKLRSNKK REMDDVAIED EVLEQLFKDT KPELEIDVKV QKQEEDVNVR KRPRMDIETN DTFSDEAVPE SSKISQENEI GKKRELKEDS LWSAKEISNN DKLQDDSEML PKKLLLTEFR SLVIKNSTSR NPSGINDDYG QLKNFKKFKK VTYPGAGKLP HIIGSDLIA HHARKNTELE EWLRQEMEVQ NQHAKEESLA DDLFRYNPYL KRRR
<b>Source</b>	E.coli
<b>Target Names</b>	NBN
<b>Protein Names</b>	Recommended name: Nibrin Alternative name(s): Cell cycle regulatory protein p95 Nijmegen breakage syndrome protein 1
<b>Expression Region</b>	1-754
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.

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**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.