Recombinant Human Nibrin (NBN)

Product Code	CSB-EP015486HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O60934
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MWKLLPAAGP AGGEPYRLLT GVEYVVGRKN CAILIENDQS ISRNHAVLTA NFSVTNLSQT DEIPVLTLKD NSKYGTFVNE EKMQNGFSRT LKSGDGITFG VFGSKFRIEY EPLVACSSCL DVSGKTALNQ AILQLGGFTV NNWTEECTHL VMVSVKVTIK TICALICGRP IVKPEYFTEF LKAVESKKQP PQIESFYPPL DEPSIGSKNV DLSGRQERKQ IFKGKTFIFL NAKQHKKLSS AVVFGGGEAR LITEENEEEH 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 NLFTDTDLKS IVKNSASKSH AAEKLRSNKK REMDDVAIED EVLEQLFKDT KPELEIDVKV QKQEEDVNVR KRPRMDIETN DTFSDEAVPE SSKISQENEI GKKRELKEDS LWSAKEISNN DKLQDDSEML PKKLLLTEFR SLVIKNSTSR NPSGINDDYG QLKNFKKFKK VTYPGAGKLP HIIGGSDLIA HHARKNTELE EWLRQEMEVQ NQHAKEESLA DDLFRYNPYL KRRR
Source	E.coli
Target Names	NBN
Protein Names	Recommended name: Nibrin Alternative name(s): Cell cycle regulatory protein p95 Nijmegen breakage syndrome protein 1
Expression Region	1-754
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	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.