

Nibrin (NBN) Recombinant Protein | NBN recombinant protein

Recombinant Human Nibrin (NBN)

CATALOG # AAA115194	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Nibrin (NBN); Recombinant Human Nibrin (NBN); NBN recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-754, Full length protein
Sequence	MWKLLPAAGP AGGEPYRLLT GVEYVGRKN CAILIENDQS ISRNHAVLTA NFSVTNLSQT DEIPVLTLDK NSKYGTFVNE EKMONGFSRT LKSGDGITFG VFGSKFRIEY EPLVACSSCL DVSOGTALNQ AILQLGGFTV NNWTEECTHL VMVSVKVTIK TICALICGRP IVKPEYFTEF LKAVESKKQP PQIESFYPL DEPSIGSKNV DLGRQERKQ IFKGKTFIFL NAKQHKKLSS AVVFGGGEAR LITEENEEHH NFFLAPGTCV VDTGITNSQT LIPDCQKKWI QSIMDMLQRQ GLRPIEAEI GLAVIFMTTK NYCDPQGHPS TGLKTTTPGP SLSQGVSVDE KLMPAPVNT TTYVADTESE QADTWDLSEK PKEIKVSKME QKFRMLSQDA PTVKESCKTS SNNNSMVSNT LAKMRIPNYQ LSPTKLPIN KSKDRASQQQ QTNSIRNYFQ PSTKKRERDE ENQEMSSCKS ARIETCSLL EQTPATPSL WKNKEQHLSE NEPVDTNSDN NLFTDIDLK IVKNSASKSH AAEKLRNKK REMDDVAIED EVLEQLFKDT KPELEIDVKV QKQEDVNVR KRPRMDIETN DTFSEAVPE SSKISQENEI GKKRELKEDS LWSAKEISNN DKLQDDSEML PKKLLLTFR SLVIKNSTSR NPSGINDDYG QLKNFKKFKK VTYPGAGKLP HIIGGSLIA HHARKNTELE EWLQRQEMEVQ NQHAKEESLA DDLFRYNPYL KRRR
Sequence Length	754
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NBN recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	67189945
NCBI GeneID	4683
NCBI Accession #	NP_001019859.1
NCBI GenBank Nucleotide #	NM_001024688.2
UniProt Accession #	O60934; O60672; Q32NF7; Q53FM6; Q63HR6; Q7LDM2; B2R626; B2RNC5
Molecular Weight	84,959 Da
NCBI Official Full Name	nibrin isoform 2
NCBI Official Synonym Full Names	nibrin
NCBI Official Symbol	NBN
NCBI Official Synonym Symbols	ATV; NBS; P95; NBS1; AT-V1; AT-V2
NCBI Protein Information	nibrin
UniProt Protein Name	Nibrin
UniProt Gene Name	NBN
UniProt Synonym Gene Names	NBS; NBS1; P95

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.