

Recombinant Human NBN Protein, His-tagged

Cat. No. NBN-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human nibrin (NBN), Pro461-Arg754, with N-terminal His tag, expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	461-754 a.a.
Description	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.
Molecular Mass	34 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl.

GENE INFORMATION

Gene Name NBN nibrin [Homo sapiens (human)]

Official Symbol NBN

Synonyms NBN; nibrin; ATV; NBS; P95; NBS1; AT-V1; AT-V2; nibrin; Nijmegen breakage syndrome 1 (nibrin); cell cycle regulatory protein p95; p95 protein of the MRE11/RAD50 complex

Gene ID 4683

mRNA Refseq NM_002485

Protein Refseq NP_002476

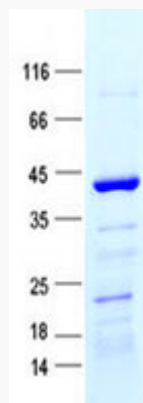
MIM 602667

UniProt ID O60934

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