

Recombinant Human INA

Cat. No. INA-64H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Alpha-internexin produced in <i>E.coli</i> is a 66kDa, type IV intermediate filament protein that is expressed in neurons during development of the peripheral and central nervous systems, as well as in a few neurons of the adult central nervous system.
Species	Human
Source	E.coli
Description	Alpha-internexin, is a Class IV intermediate filament approximately 66 KDa. The protein was originally purified from rat optic nerve and spinal cord. The protein copurifies with other neurofilament subunits, as it was originally discovered, however in some mature neurons it can be the only neurofilament expressed. The protein is present in developing neuroblasts and in the Central Nervous System of adults. The protein is a major component of the intermediate filament network in small interneurons and cerebellar granule cells, where it is present in the parallel fibers.
Presentation	100μg purified human α-Internexin protein at 0.1mg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% glycerol.
Application and Suggested Dilutions	•ELISA •Inhibition Assays •Western Blotting.
Characterization	On SDS-PAGE comassie blue stained gel, the purified recombinant PTEN shows a band at 45 kDa antibody reactive.

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Storage

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

GENE INFORMATION
Gene Name

INA internexin neuronal intermediate filament protein, alpha [Homo sapiens]

Synonyms

NEF5; NF-66; TXBP-1; FLJ18662; FLJ57501; MGC12702; INA; internexin neuronal intermediate filament protein, alpha; neurofilament 5 (66kD); neurofilament-66, tax-binding protein; Alpha-internexin; Alpha-Inx; 66 kDa neurofilament protein; Neurofilament-66

Gene ID

9118

mRNA Refseq

NM_032727

Protein Refseq

NP_116116

MIM

605338

UniProt ID

Q16352

**Chromosome
Location**

10q24

Function

structural constituent of cytoskeleton

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