

Nuclear pore complex protein Nup98-Nup96 (Nup98) Recombinant Protein | Nup98 recombinant protein

Recombinant Rat Nuclear pore complex protein Nup98-Nup96 (Nup98) , partial

CATALOG # AAA81650	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Nuclear pore complex protein Nup98-Nup96 (Nup98); Recombinant Rat Nuclear pore complex protein Nup98-Nup96 (Nup98); partial; Nup98 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	738-979; Partial, include the Peptidase S59 domain
Sequence	KVGYITPSM DDLAKITNEK GECIVSDFTI GRKGYGSIYF EGDVNLTLN LDDIVHIRRK EVIVYVDDNQ KPPVGEGLNR KAEVTLDGWV PTDKTSRCLI KSPDRLADIN YEGRLEAVSR KQGAQFKEYR PETGSWWFKV SHFSKYGLQD SDEEEEEHPP KTTSKKLKA PLPPAGQATT FQMTLNGKPA PPPQSQSPEV EQLGRVVELD SDMVDITQEP VPDSVLEESV PEDQEPVSAS TQ
Sequence Length	979
Species	Rat
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.

ADDITIONAL INFORMATION

Related Product Information for Nup98 recombinant protein	Signal-mediated nuclear import and export proceed through the nuclear pore complex (NPC), which is comprised of approximately 50 unique proteins collectively known as nucleoporins. The 98 kD nucleoporin is generated through a biogenesis pathway that involves synthesis and proteolytic cleavage of a 186 kD precursor protein. This cleavage results in the 98 kD nucleoporin as well as a 96 kD nucleoporin, both of which are localized to the nucleoplasmic side of the NPC. Rat studies show that the 98 kD nucleoporin functions as one of several docking site nucleoporins of transport substrates. The human gene has been shown to fuse to several genes following chromosome translocations in acute myelogenous leukemia (AML) and T-cell acute lymphocytic leukemia (T-ALL). This gene is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. Alternative splicing of this gene results in several transcript variants; however, not all variants have been fully described.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	207028853
NCBI GeneID	81738
NCBI Accession #	NP_112336.2
NCBI GenBank Nucleotide #	NM_031074.2
UniProt Accession #	P49793; D3ZMW4

Molecular Weight	97,928 Da
NCBI Official Full Name	nuclear pore complex protein Nup98-Nup96 proprotein
NCBI Official Synonym Full Names	nucleoporin 98
NCBI Official Symbol	Nup98
NCBI Protein Information	nuclear pore complex protein Nup98-Nup96
UniProt Protein Name	Nuclear pore complex protein Nup98-Nup96
UniProt Gene Name	Nup98
UniProt Synonym Gene Names	Nup98; Nup96

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.

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Online datasheet: <https://stage.aaabiotech.com/nup98-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/81650>