

Recombinant Human NUP133 protein, His & T7-tagged

Cat. No. NUP133-1542H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NUP133 aa. (Asp899~Asp1091 (Accession # Q8WUM0)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp899~Asp1091
Description	The nuclear envelope creates distinct nuclear and cytoplasmic compartments in eukaryotic cells. It consists of two concentric membranes perforated by nuclear pores, large protein complexes that form aqueous channels to regulate the flow of macromolecules between the nucleus and the cytoplasm. These complexes are composed of at least 100 different polypeptide subunits, many of which belong to the nucleoporin family. The nucleoporin protein encoded by this gene displays evolutionarily conserved interactions with other nucleoporins. This protein, which localizes to both sides of the nuclear pore complex at interphase, remains associated with the complex during mitosis and is targeted at early stages to the reforming nuclear envelope. This protein also localizes to kinetochores of mitotic cells.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.2kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method).

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Purity	>95%
Characteristic	The isoelectric point is 5.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	NUP133 nucleoporin 133 [Homo sapiens (human)]
Official Symbol	NUP133
Synonyms	hNUP133; 133 kDa nucleoporin; nucleoporin 133kD; nucleoporin 133kDa; nucleoporin Nup133; nuclear pore complex protein Nup133
Gene ID	55746
mRNA Refseq	NM_018230.2

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Protein Refseq	NP_060700.2
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UniProt ID	Q8WUM0
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