

Recombinant Human NUP50 protein, His & T7-tagged

Cat. No. NUP50-1504H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NUP50 aa. (Asn37~Ala269 (Accession # Q9UKX7)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asn37~Ala269
Description	The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. The protein encoded by this gene is a member of the FG-repeat containing nucleoporins that functions as a soluble cofactor in importin- α : β -mediated nuclear protein import. Pseudogenes of this gene are found on chromosomes 5, 6, and 14. Two transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.8kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method).
Purity	>95%

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Characteristic	The isoelectric point is 9.5.
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	NUP50 nucleoporin 50 [Homo sapiens (human)]
Official Symbol	NUP50
Synonyms	NPAP60; NPAP60L; 50 kDa nucleoporin; nuclear pore-associated protein 60L; nucleoporin 50kD; nucleoporin 50kDa; nucleoporin Nup50; nuclear pore complex protein Nup50
Gene ID	10762
mRNA Refseq	NM_007172.3
Protein Refseq	NP_009103.2

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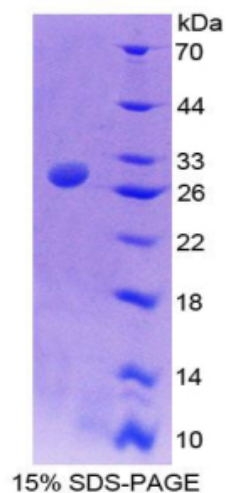
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UniProt ID

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SDS-PAGE

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