

Recombinant Human NUP37 protein, His & T7-tagged

Cat. No. NUP37-1487H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NUP37 aa. (Asn34~Gln279 (Accession # Q8NFH4)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asn34~Gln279
Description	Nuclear pore complexes (NPCs) are used for transporting macromolecules between the cytoplasm and the nucleus. NPCs consist of multiple copies of 30 distinct proteins (nucleoporins), which assemble into biochemically-separable subcomplexes. The protein encoded by this gene is part of a subcomplex (Nup107-160) that is required for proper NPC function as well as for normal kinetochore-microtubule interaction and mitosis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.7kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method).
Purity	>95%
Characteristic	The isoelectric point is 6.1.

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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	NUP37 nucleoporin 37 [Homo sapiens (human)]
Official Symbol	NUP37
Synonyms	p37; nucleoporin 37kDa; nup107-160 subcomplex subunit Nup37; nucleoporin Nup37
Gene ID	79023
mRNA Refseq	NM_024057.3
Protein Refseq	NP_076962.2
UniProt ID	Q8NFH4

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