

Recombinant Human NUP50 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NUP50-6025H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NUP50 MS Standard C13 and N15-labeled recombinant protein (NP_705931) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	46.9 kDa
AA Sequence	MASEEVLKNRAIKKAKRRNVGFESDTGGAFKGFKGLVVPSSGGGRFSGFGSGAGGK PLEGLSNGNNITSAPPFASAKAAADPKVAFGSLAANGPTTLVDKVSNPKTNGDSQQ PSSSGGLASSKACVGNAYHKQLAALNCVSRDWIVKHVNTNPLCDLTPIFKDYEKYLAN IEQQHGNSESESESNKVAAETQSPSLFGSTKLQQUESTFLFHGNKTEDTPDKKME VASEKKTDPSSLGATSASFNFGKKVDSSVLGSLSSVPLTGFSFSPGNSSLFGKDTTQ

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SKPVSSPFPTKPLEGQAEGDSGECKGGDEEENDEPPKVVTEVKEEDAFYSKKCKL
FYKKDNEFKEKGIGTLHLKPTANQKTQLLVRADTNLGNILLNVLIPPMPCTRTGKNN
VLIVCVPNPPIDEKNATMPVTMLIRVKTSEDADELHKILLEKKDATRTRPLEQKLISEE
DLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NUP50 nucleoporin 50kDa [Homo sapiens (human)]

Official Symbol NUP50

Synonyms NUP50; nucleoporin 50kDa; NPAP60L, nucleoporin 50kD; nuclear pore complex protein Nup50; nucleoporin Nup50; 50 kDa nucleoporin; nuclear pore-associated protein 60L; NPAP60; NPAP60L; MGC39961;

Gene ID 10762

mRNA Refseq NM_153645

Protein Refseq NP_705931

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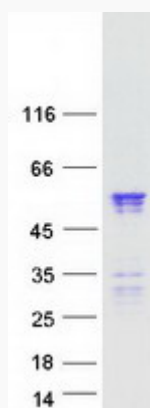
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MIM 604646

UniProt ID Q9UKX7

SDS-PAGE



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