

Recombinant Mouse Nup50 Protein, Myc/DDK-tagged

Cat. No. Nup50-4555M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nucleoporin 50 (Nup50), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Component of the nuclear pore complex that has a direct role in nuclear protein import. Actively displaces NLSs from importin-alpha, and facilitates disassembly of the importin-alpha:beta-cargo complex and importin recycling. Interacts with regulatory proteins of cell cycle progression including CDKN1B. This interaction is required for correct intracellular transport and degradation of CDKN1B.
Molecular Mass	49.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Nup50 nucleoporin 50 [Mus musculus (house mouse)]
Official Symbol	Nup50
Synonyms	NUP50; nucleoporin 50; nuclear pore complex protein Nup50; nucleoprotein 50; nucleoporin Nup50; 50 kDa nucleoporin; nuclear pore associated protein 60 kDa; Npap60; AI413123; 1700030K07Rik
Gene ID	18141
mRNA Refseq	NM_016714
Protein Refseq	NP_057923
UniProt ID	Q9JIH2

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