

Product datasheet for **TP309975M**

NUP50 (NM_007172) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human nucleoporin 50kDa (NUP50), transcript variant 2, 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC209975 protein sequence
Red=Cloning site **Green**=Tags(s)

MAKRNAEKELTDRNWDQEDEAEVGTFSMASEEVLKNRAIKKAKRRNVGFESDTGGAFKGFKGLVPSGG
GRFSGFGSGAGGKPLEGLSNGNITSAPPFASAKAAADPKVAFGSLAANGPTTLVDKVSNPKTNGDSQQP
SSSGLASSKACVGNAYHKQLAALNCSVRDWIVKHVNTNPLCDLTPIFKDYEKYLANIEQQHNGNSGRNSE
ESNKVAAETQSPSLFGSTKLQQUESTFLFHGNKTEDTPDKKMEVASEKKTDPSSLGATSASFNGKKVDSS
VLGSLSSVPLTGFSFSPGNSSLFGKDTTQSKPVSSFPPTKPLEGQAEGDSGECKGGDEEENDEPPKVVVT
EVKEEDAFYSKKCLFYKKDNEFKEKGIGTLHLKPTANQKTQLLVRADTNLGNILLNVLIPPNNMPCTRTG
KNNVLIVCVPNPPIDEKNATMPVTMLIRVKTSEDADELHKILLEKKDA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 50 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_009103](#)



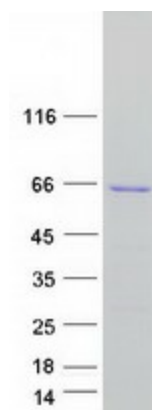
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Locus ID: 10762
UniProt ID: [Q9UKX7](#), [A0A024R4X7](#)
RefSeq Size: 5225
Cytogenetics: 22q13.31
RefSeq ORF: 1404
Synonyms: NPAP60; NPAP60L

Summary: 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-alpha:beta-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. [provided by RefSeq, Jul 2008]

Protein Families: Stem cell - Pluripotency

Product images:



Coomassie blue staining of purified NUP50 protein (Cat# [TP309975]). The protein was produced from HEK293T cells transfected with NUP50 cDNA clone (Cat# [RC209975]) using MegaTran 2.0 (Cat# [TT210002]).