

## Product datasheet for TP307001M

### NUP50 (NM\_153645) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nucleoporin 50kDa (NUP50), transcript variant 3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207001 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MASEEVLKNRAIKKAKRRNVGFESDTGGAFKGFKGLVWPSGGGRFSGFGSGAGGKPLEGLSNGNNITSAP          PFASAKAAADPKVAFGSLAANGPTTLVDKVSNPKTNGDSQQPSSSGLASSKACVGNAYHKQLAALNCSVR          DWIVKHVNTNPLCDLTIPIFKDYEKYLANIEQQHGNSESESNKVAEETQSPSLFGSTKLQQUESTFLF          HGNKTEDTPDKKMEVASEKKTDPSSLGATSASFNGKKVDSSVLGSLSSVPLTGFSFSPGNSSFLGKDDT          QSKPVSSPFPTKPLEGQAEGDSGECKGGDEEENDEPPKVVVTEVKEEDAFYSKCKLFYKKNDEFKEKGI          GTLHLKPTANQKTQLLVRADTNLGNILLNVLIPPNMPCTRTGKNNVLIVCPNPPIDEKNATMPVTMLIR          VKTSEDADELHKILLEKDA</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	46.7 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:	<u><a href="#">NP_705931</a></u>



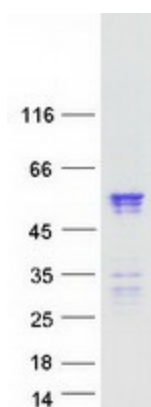
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Locus ID:	10762
UniProt ID:	<a href="#">Q9UKX7</a>
RefSeq Size:	5051
Cytogenetics:	22q13.31
RefSeq ORF:	1320
Synonyms:	NPAP60; NPAP60L

**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# [TP307001]). The protein was produced from HEK293T cells transfected with NUP50 cDNA clone (Cat# [RC207001]) using MegaTran 2.0 (Cat# [TT210002]).