

Product datasheet for PH307001

NUP50 (NM_153645) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NUP50 MS Standard C13 and N15-labeled recombinant protein (NP_705931)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207001
Predicted MW:	46.9 kDa
Protein Sequence:	>RC207001 protein sequence Red=Cloning site Green=Tags(s)

MASEEVLKNRAIKKAKRRNVGFESDTGGAFKGFKGLVVPSSGGGRFSGFGSGAGGKPLEGLSNGNNITSAP
PFASAKAAADPKVAFGSLAANGPTTLVDKVSNPKTNGDSQQPSSSGLASSKACVGNAYHKQLAALNCSVR
DWIVKHVNTNPLCDLTPIFKDYEKYLANIEQQHGNSGRNSESESNKVAETQSPSLFGSTKLQQESTFLF
HGNKTEDTPDKKMEVASEKKTDPSSLGATSASFNGGKVDSSVLGSLSSVPLTGFSPGNSSLFGKDDT
QSKPVSSPFPTKPLEGQAEGDSGECKGGDEEENDEPPKVVVTEVKEEDAFYSKCKLFYKKDNEFKEKGI
GTLHLKPTANQKTQLLVRADTNLGNILLNVLIPPMPCTRTGKNNVLIVCVNPPIDEKNATMPVTMLIR
VKTSEDADELHKILLEKDA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_705931</u>
RefSeq Size:	5051
RefSeq ORF:	1320
Synonyms:	NPAP60; NPAP60L



[View online »](#)

Locus ID: 10762

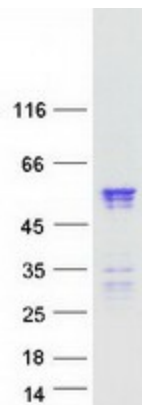
UniProt ID: [Q9UKX7](#)

Cytogenetics: 22q13.31

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]).