

Product datasheet for TP323454L

NUP54 (NM_017426) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nucleoporin 54kDa (NUP54), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223454 representing NM_017426 Red=Cloning site Green=Tags(s)

MAFNFGAPSGTSGTAAATAAPAGGFGGFGTTSTTAGSAFSFSAPTNTGTTGLFGGTQNKGFSGTGFGT
 TGTSTGLGTGLGTGLGFGGNTQQQQQTTLGGLFSQPTQAPTQSNQLINTASALSAPTLLGDERDAILAK
 WNQLQAFWGTGKGYFNNNIPPVEFTQENPFCRFKAVGYSCMPSNKGDEDGLVVLVFNKKETEIRSQQQQ
 LV
 ESLHKVLGGNQTLTVNVEGKTLPDDQTEVVIYVVERSPNGTSRRVPATTLIAHFEQANIKTQLQQLGVT
 LSMTRTELSPAQIKQLLQNPPAGVDPIIWEQAKVDNPDSEKLIPVPMVGFKELLRRLKVQDQMTKQHQTR
 LDIISEDISELQKNQTTSAKIAQYKRKLMDLSHRTLQVLIQEIQRKSGYAIQADEEQLRVQLDTIQGE
 LNAPTQFKGRLNELMSQIRMQNHFGAVRSEERYIADALLREIKQHLKQQQEGLSHLISIKDDLEDIKL
 VEHGLNETIHIRGGVFS

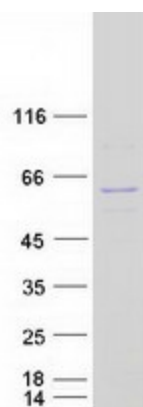
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	55.3 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.


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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>NP_059122</u>
Locus ID:	53371
UniProt ID:	<u>Q7Z3B4</u>
RefSeq Size:	2358
Cytogenetics:	4q21.1
RefSeq ORF:	1521
Summary:	The nuclear envelope creates distinct nuclear and cytoplasmic compartments in eukaryotic cells. It consists of two concentric membranes perforated by nuclear pores, large protein complexes that form aqueous channels to regulate the flow of macromolecules between the nucleus and the cytoplasm. These complexes are composed of at least 100 different polypeptide subunits, many of which belong to the nucleoporin family. This gene encodes a member of the phe-gly (FG) repeat-containing nucleoporin subset. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2013]

Product images:



Coomassie blue staining of purified NUP54 protein (Cat# [TP323454]). The protein was produced from HEK293T cells transfected with NUP54 cDNA clone (Cat# [RC223454]) using MegaTran 2.0 (Cat# [TT210002]).