

Product datasheet for PH323454

NUP54 (NM_017426) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NUP54 MS Standard C13 and N15-labeled recombinant protein (NP_059122)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223454
Predicted MW:	55.3 kDa
Protein Sequence:	>RC223454 representing NM_017426 Red =Cloning site Green =Tags(s)

MAFNFGAPSGTSGTAAATAAPAGGFGGFGTTSTTAGSAFSFSAPTNTGTTGLFGGTQNKGFSGTGFGT
 TGTSTGLGTGLGTGLGFGGNTQQQQQTTLGGLFSQPTQAPTQSNQLINTASALSAPTLLGDERDAILAK
 WNQLQAFWGTGKGYFNNIIPPVEFTQENPFCRFKAVGYSCMPSNKDEGLVVLVFNKKETEIRSQQQLV
 ESLHKVLGGNQLTVNVEGTKTLPDDQTEVVIYVVERSPNGTSRRVPATTLAHFEQANIKTQLQQLGVT
 LSMTRTELSPAQIKQLLNPPAGVDPIIWEQAKVDNPDSEKLIPVPMVGFKELLRRLKVQDQMTKQHQTR
 LDIISEDISELQKNQTTSAKIAQYKRKLMDLSHRTLQVLKQEIQRKSGYAIQADEEQLRVQLDTIQGE
 LNAPTQFKGRNLMSQIRMQNHFGAVRSEERYIDADLLREIKQHLKQQEGLSHLISIIKDDLEDIKL
 VEHLNETIHIRGGVFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

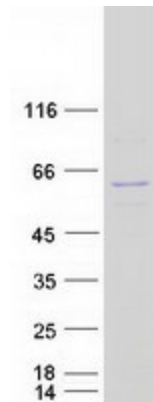
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	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_059122</u>
RefSeq Size:	2358
RefSeq ORF:	1521


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Locus ID: 53371
 UniProt ID: [Q7Z3B4](#)
 Cytogenetics: 4q21.1
 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]).