

Recombinant Human NUP54 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NUP54-3263H Lot. No. (See product label)

SPECIFICATION

Product Overview	NUP54 MS Standard C13 and N15-labeled recombinant protein (NP_059122) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	55.3 kDa
AA Sequence	MAFNFGAPSGTSGTAAATAAPAGGFGGFGTTSTTAGSAFSAFSAPTNTGTTGLFGGT QNKGFVFGTGFVTTTGTSTGLGTGLGTGLGFGGFNTQQQQQTLLGGLFSQPTQAP TQSNQLINTASALSAPTLLGDERDAILAKWNQLQAFWGTGKGYFNINIPVVEFTQEN PFCRFKAVGYSCMPSNKDEDGLVVLVFNKKETEIRSQQQQLVESLHKVVLGGNQTLT VNVEGTKTLPDDQTEVVIYVVERS PNGTSRRVPATTL YAHFEQANIKTQLQQLGVTL

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SMTRTELSPAQIKQLLQNPPAGVDPIIWEQAKVDNPDSEKLIPVPMVGFKELLRRLKV
 QDQMTKQHQRTRLDIISEDISELQKNQTTSVAKIAQYKRKLMDSLHRTLQVLIKQEIQR
 KSGYAIQADEEQLRVQLDTIQGELNAPTQFKGRLNELMSQIRMQNHFGAVRSEERY
 YIDADLLREIKQHLKQQQEGLSHLISIIKDDLEDIKLVEHGLNETIHIRGGVFSTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [NUP54 nucleoporin 54kDa \[Homo sapiens \(human\) \]](#)

Official Symbol [NUP54](#)

Synonyms NUP54; nucleoporin 54kDa; nucleoporin 54kD; nucleoporin p54; 54 kDa nucleoporin; MGC13407;

Gene ID [53371](#)

mRNA Refseq [NM_017426](#)

Protein Refseq [NP_059122](#)

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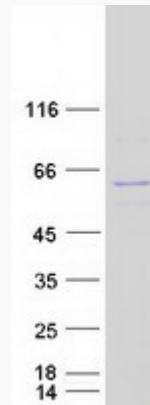
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MIM 607607

UniProt ID Q7Z3B4

SDS-PAGE



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