

Recombinant Human NUP133 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NUP133-5338H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NUP133 MS Standard C13 and N15-labeled recombinant protein (NP_060700) 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. The nucleoporin protein encoded by this gene displays evolutionarily conserved interactions with other nucleoporins. This protein, which localizes to both sides of the nuclear pore complex at interphase, remains associated with the complex during mitosis and is targeted at early stages to the reforming nuclear envelope. This protein also localizes to kinetochores of mitotic cells.
Molecular Mass	129 kDa
AA Sequence	MFPAAPSPRTPGTGSRRGPLAGLPGSTPRTASRKGLPLGSAVSSPVLFSPVGRRS SLSSRGTPTRMFPHHSITESVNYDVKTFGSSLPVKVMEALTLAEVDDQLTINIDEGG WACLVCKEKLIWIKIALSPITKLSVCKELQLPPSDFHWSADLVALSYSSPSGEAHSTQ

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AVAVMVATREGSIRYWPSLAGEDTYTEAFVDSGGDKTYSFLTAVQGGSFILSSSGS
 QLIRLIPESGKIHQHILPQQGQMLSGIGRKVSSLFGILSPSSDLTLSSVLWDRERSSF
 YSLTSSNISKWELDDSSSEKHAYSWDINRALKENITDAIWGSESNYEAIKEGVNIRYLD
 FKQNCDDLVLAAAWHSADNPCLIYYSLITIEDNGCQMSDAVTVEVTQYNPPFQSED
 LILCQLTPNFSNQTAIYNESAVYVCSTGTGKFSLPQEKIVFNAQGDSVLGAGACG
 GVPIIFSRNSGLVSITSRENVSILAEDLEGLASSVAGPNSESMIFETTTKNETIAQEDK
 IKLLKAAFLQYCRKDLGHAQMVVDELFSHSDLDSDSELDRVAVTQISVDLMDDYPAS
 DPRWAESVPEEAPGFSNTSLIHLHQLEDKMKAHSLMDFIHQVGLFGRGSLGSPVVRGT
 PMATRLLLCEHAEKLSAAIVLKNHHSRLSDLVNTAILIALNKREYEIPSNLTPADVFFRE
 VSQVDTICECLLEHEEQVLRDAPMDSIEWAEVVINNVNLIKDMLQAASHYRQNRNSL
 YRREESLEKEPEYVPWTATSGPGGIRTVIIRQHEIVLKVAYPQADSNLRNIVTEQLVA
 LIDCFLDGYVSQKSVKSSNRERYDNLEMEYLQKRSDDLSPLLSLGQYLWAASLAE
 KYCDFDILVQMCEQTDNQSRQLQRYMTQFADQNFSDFLFRWYLEKGKRGKLLSQPIS
 QHGQLANFLQAHEHLWLHEINSQELEKAHATLLGLANMETRYFAKKKTLLGLSKLA
 ALASDFSEDMLQEKEIEMAEQERFLLHQETLPEQLLAEKQLNLSAMPVLTAPQLIGLY
 ICEENRRANEYDFKKALDLLEYIDEEEDININDLKLEILCKALQRDNWSSSDGKDDPIE
 VSKDSIFVKILQKLLKDGILSEYLPEVKDLLQADQLGSLKSNPYFEFVLKANYEYYV
 QGQITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

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GENE INFORMATION

Gene Name NUP133 nucleoporin 133kDa [Homo sapiens (human)]

Official Symbol NUP133

Synonyms NUP133; nucleoporin 133kDa; nucleoporin 133kD; nuclear pore complex protein
Nup133; FLJ10814; nucleoporin Nup133; 133 kDa nucleoporin; hNUP133;
MGC211133;

Gene ID 55746

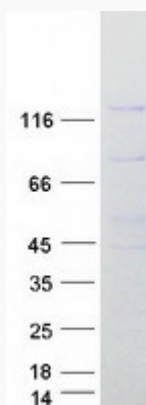
mRNA Refseq NM_018230

Protein Refseq NP_060700

MIM 607613

UniProt ID Q8WUM0

SDS-PAGE



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