

Product datasheet for **TP304410**

NUP133 (NM_018230) Human Recombinant Protein

Product data:

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|----------------------------------------------|------------------------------------------------------------------------------|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human nucleoporin 133kDa (NUP133), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC204410 protein sequence Red =Cloning site Green =Tags(s) |

MFPAAPSPRTPGTGSRRLAGLPGSTPRTASRKGLPLGSAVSSPVLFSFVGRSSLSRGTPTRMFPH
HSITESVNYDVKTFGSSLPVKVMEALTLAEVDDQLTINIDEGGWACLVCCKELIWKIALSPITKLSVCK
ELQLPPSDFHWSADLVALSYSSPSGEAHSTQAVAVMVATREGSIRYWPSLAGEDTYTEAFVDSGGDKTYS
FLTAVQGGSFILSSGSQILRILPESSGKIHQHILPQGGMLSGIGRKVSSLFILSPSSDLTLSSVLWD
RERSSFYSLTSSNISKWELDDSSSEKHAYSWDINRALKENITDAIWGSESNEYAIKEGVNIRYLDKFNCD
GLVILAAWHSADNPCLIIYSLITIEDNGCQMSDAVTVEVTQYNPPFQSEDLILCQLTVPNFSNQTAYLY
NESAVYVCSTGTGKFSLPQEKIVFNAQGDSVLGAGACGGVPIIFSRNSGLVSITSRENVSILAEDLEGLS
ASSVAGPNSESMIFETTTKNETIAQEDKIKLLKAAFLQYCRKDLGHAQMVDELFSHSDLDSDSELDRA
VTQISVDLMDDYPASDPRWAESVPEEAPGFSNTSLIILHQLEDKMKAHSFLMDFIHQVGLFGRGSGFPVR
GTPMATRLLLCEHAEKLSAAIVLKNHHSRLSDLVNTAILIALNKREYEIPSNLTPADVFFREVSQVD TIC
ECLLEHEEQVLRDAPMDSIEWAEVWINVNNILKDMQLQAASHYRQNRNSLYRREESLEKEPEYVWPWTATSG
PGGIRTVIIRQHEIVLKVAYPQADSNLRNIVTEQLVALIDCFLDGYVSQLKSVDKSSNRERYDNLEMEYL
QKRSDLLSPLSLGQYLWAASLAEKYCDFDILVQMCEQTDNQSRLQRYMTQFADQNFSDFLFRWYLEK GK
RGKLLSQPISQHGQLANFLQAHEHLSWLHEINSQELEKAHATLLGLANMETRYFAKKKTLGLSKLAALA
SDFSEDMLQEKIEEMAEQERFLLHQETLPEQLLAEKQLNLSAMPVLTAPQLIGLYICEENRRANEYDFKK
ALDLEIDEEEDININDLKEILCKALQRDNWSSSDGKDDPIEVSKDSIFVKILQKLLKDGILQSEYLP
EVKDLLQADQLGSLKSNPYFEFVLKANYEYVQGGQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

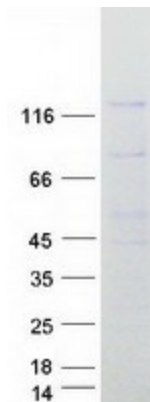
| | |
|-----------------------|-------------------------------------------------------------|
| Tag: | C-Myc/DDK |
| Predicted MW: | 128.8 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |



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| 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. |
| 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: | NP_060700 |
| Locus ID: | 55746 |
| UniProt ID: | Q8WUM0 |
| RefSeq Size: | 4170 |
| Cytogenetics: | 1q42.13 |
| RefSeq ORF: | 3468 |
| Synonyms: | GAMOS8; hNUP133; NPHS18 |
| 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. 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. [provided by RefSeq, Jul 2008] |

Product images:



Coomassie blue staining of purified NUP133 protein (Cat# TP304410). The protein was produced from HEK293T cells transfected with NUP133 cDNA clone (Cat# [RC204410]) using MegaTran 2.0 (Cat# [TT210002]).