

Product datasheet for SC322454

NUP133 (NM_018230) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NUP133 (NM_018230) Human Untagged Clone
Tag: Tag Free
Symbol: NUP133
Synonyms: GAMOS8; hNUP133; NPHS18
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322454
TTAAGTTCGCGCAGGCCAGGCTGCAACCTGACGGCCAGATCCCTCGTGTCTAGTC
GCTGCTCCTTGGAGTCATGTTCCAGCCGCCCTTCTCCGCGACCCCGGTACCGGGTC
CCGAAGGGGCCCGCTGGCCGACTCGGGCCCGGCTCCACGCCCGGACGGCTAGCAGGAA
GGGTCTGCCCTGGGGTCTGCAGTCAGCTCCCCAGTGCTTTCTCGCCGGTCGGCCGGC
TAGCTCGTAAGCTCGCGGGGAACCAACACGAATGTTCCACACCACTCCATAACTGA
GTCTGTGAACTATGATGTGAAAACGTTTGGATCTTCTCTTCTGTAAAGTCATGGAAGC
CCTAACATTGGTGAAGTCGATGACCAGCTGACCATTAACATAGATGAAGGTGGATGGGC
TTGTCTGGTGTGCAAAGAGAAGCTCATTATTTGGAAGATTGCTCTGTACCTATTACTAA
GTTATCCGTTTCAAAGAAGCTTCCAGCTGCCACCTAGTGATTTCCACTGGAGTGCCGACTT
AGTGGCTCTTTCTACTCTTCTCCCTCAGGTGAAGCACATTCTACTCAGGCTGTTGCTGT
CATGGTTGCCACCAGAGAAGGATCTATCCGCTATTGGCCAAGCCTTGCTGGTGAAGATAC
CTACACAGAGGCTTTTGTAGATTCGGGAGGTGATAAGACTTACAGTTTCCCTAACAGCAGT
GCAGGGAGGAAGTTTTATTTGTCTTCATCAGGAAGCCAACTAATTCCGTTGATACCTGA
GAGCTCAGGAAAGATTTCATCAGCATATCCTGCCTCAGGGCAAGGCATGCTTTCAGGAAT
TGGTCGAAAAGTTTCTTCTTTTTGGAATTTATCTCCTAGTAGTGATCTCACACTTTC
AAGTGTCTCTGGGATAGAGAGAGATCAAGCTTTTATAGCCTGACGAGTTCAAACATCAG
TAAATGGGAATTAGATGATTCTTCAGAAAAGCATGCATACAGTTGGGATATAAATAGAGC
CCTGAAGGAAAACATTACCGATGCTATTTGGGGATCTGAAAGTAACTATGAAGCTATTA
AGAAGGAGTCAACATTCGATATTTGGACTTTAAGCAAAACTGTGATGGGCTGGTGATTTT
GGCAGCAGCATGGCACTCAGCAGACAATCCATGTCTCATCTATTACTCTGTATAACAAT
AGAAGATAATGGTTGCCAAATGTCAGATGCAGTACTGTAGAAGTCACTCAATATAATCC
ACCTTTTCAGTCTGAAGACCTGATTTTGTGTCAGTTGACGGTCCCAAACCTTTCAAACCA
GACTGCCTATCTGTATAACGAAAGTGCTGTCTATGTGTGCTCCACAGGAAGTGGGAAAT
TTCTCTTCCCAGGAGAAAATTGCTTTAATGCACAAGGAGATAGTGTTTTAGGTGCTGG
TGCTGTGGTGGTTCCTATCATTTTTTCTAGAAACAGTGGACTGGTGTCTATTACTTC
AAGGGAAAATGTGTCTATATTGCAGAAGACTTGAAGGGTCTTAGCATCTTCAGTTGC



[View online »](#)

TGGACCAACAGTGAGAGTATGATTTTTGAGACCACTACAAAGAATGAACTATAGCCCA
 GGAAGATAAAATCAAGTTGCTGAAAGCTGCCTTTCTGCAATACTGCAGAAAAGATTTAGG
 TCATGCTCAAAATGGTGGTTGATGAGCTCTTTTCTCTCACTCTGATTTGGATTCTGATTC
 TGAAGTAGACAGGGCAGTTACCCAAATCAGTGTAGACCTGATGGATGACTACCCAGCATC
 TGACCCACGGTGGGCTGAGTCTGTCCCTGAGGAAGCACCTGGGTTGAGCAATACGTCAC
 TATTATCCTTACCAGCTAGAAGACAAGATGAAAGCTCACTCTTTTCTTATGGACTTTAT
 TCATCAAGTTGGCTTATTTGGAGCTTAGGCAGTTTTCCAGTTAGAGGGACACCGATGGC
 CACTCGACTGTTGCTCTGTGAGCATGCCGAAAAGCTGTCAGCCGCCATTGTTCTCAAGAA
 CCACCACTCCCGCTTTCTGACCTGTCAACACAGCCATATTGATTGCTTTGAACAAGAG
 GGAGTATGAAATCCCATCCAACCTGACTCCTGCAGATGTCTTTTTCAGGGAGGTATCCCA
 AGTAGATACCATCTGTGAGTGTACTGGAGCATGAGGAGCAAGTCTTGAGGGATGCACC
 TATGGATTCCATTGAATGGGCTGAAGTGGTATCAATGTGAACAATATTCTCAAGGATAT
 GCTGCAGGCTGTAGTATTATCGCCAAAATAGAACTCTTTGTATAGAAGAGAAGAATC
 ACTAGAAAAGAACCTGAATATGTTCCATGGACGGCAACAAGTGGTCTGGTGGCATCCG
 AACGGTAATAATACGCCAGCATGAGATTGCTGAAGGTGGCTTATCCACAGGCAGACAG
 CAACCTCCGAAACATCGTGACCGAGCAGCTGGTAGCCCTGATCGATTGCTTCTGGATGG
 TTATGTTTCTCAGCTTAAGTCTGTGGATAAATCCAGTAATCGGGAAAGATATGACAACT
 GGAGATGGAATACCTACAGAAAAGATCAGATCTTATCTCTCTTTCACTAGGCCA
 GTACCTGTGGGCTGCTTCTTAGCAGAGAAATACTGTGACTTTGATATATTGGTACAAAT
 GTGTGAGCAGACTGCAACCCAGAGCCGACTCCAGCGCTACATGACCCAGTTTGGTATCA
 GAATTTTTTCAGACTTTCTTCCGTTGGTATCTGGAGAAAAGGAAAGCGAGGCAAAATTAT
 ATCTCAGCCCATTTCTCAGCATGGACAGTTGGCAAATTTTTGCAAGCTCATGAACATCT
 CAGCTGGTTACATGAAATTAATAGCCAAGAATTAGAAAAGGCTCATGCAACACTTCTGGG
 TTTGGCAAATATGGAACTCGTTACTTTGCAAAGAAGAAAACCTTCTTGCTTGAGTAA
 ATTGGCTGCATTAGCTTCACTTTTTCAGAGGATATGCTACAAGAAAAAATTGAAGAAAT
 GGCTGAGCAGGAGCGCTTTCTACTGCATCAGGAGACCCTACCTGAACAGCTGCTGGCGGA
 GAAACAGCTAAATCTCAGTGGCATGCCAGTATTGACTGCACCACAACCTATTGGTCTATA
 TATCTGTGAAGAAAATAGAAGAGCTAATGAATATGATTTCAAGAAAAGCTTTGGACTTGT
 GGAATATATTGATGAGGAAGAAGATATAAATAAATGATCTAAAAGCTGGAAATCCTTTG
 CAAAGCTTTTTCAGAGAGATAACTGGTCCAGTTCTGATGGCAAAGATGATCCAATTGAAGT
 ATCTAAAGACAGTATATTTGTGAAGATCTTACAGAACTTTTAAAAGATGCATTAGCT
 CAGTGAGTACTTACCGGAGGTGAAAGACCTGCTACAAGCGGATCAGCTTGGAAAGCTTAA
 GTCCAATCCTTACTTCGAGTTTGTGTTTGAAGCAAATTATGAATATTATGTTTCAGGGACA
 AATATACTTTTTCTAAAATGGCCATTGTTTATGAAATCTGTATAAGTGTTCCTTATA
 CAAATTTTAGGCCATAAACAAAGTGAAGTTTGTACAATTCATAACATGTATAGCTGAGT
 TTTTATACTTTATGTAGGAAGCTAATATAAAATAGTTATGTAAGTGTGAAAAAAAAA
 AAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_018230
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_018230.2](#), [NP_060700.2](#)

RefSeq Size: 4170 bp

RefSeq ORF: 3471 bp

Locus ID: 55746

UniProt ID: [Q8WUM0](#)

Cytogenetics: 1q42.13

Domains: Nup133

Gene 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]