OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC113661

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:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018230, the custom clone sequence may differ by one or more nucleotides

ATGTTCCCAGCCGCCCCTTCTCCGCGGACCCCGGGTACCGGGTCCCGAAGGGGCCCGCTGGCCGGACTCG
GGCCCGGCTCCACGCCCCGGACGGCTAGCAGGAAGGGTCTGCCCCTGGGGTCTGCAGTCAGCTCCCCAGT
GCTCTTCTCGCCGGTCGGCCGGCGTAGCTCGCTAAGCTCGCGGGGAACACCAACACGAATGTTCCCACAC
CACTCCATAACTGAGTCTGTGAACTATGATGTGAAAACGTTTGGATCTTCTCTTCCTGTTAAAGTCATGG
AAGCCCTAACATTGGCTGAAGTCGATGACCAGCTGACCATTAACATAGATGAAGGTGGATGGGCTTGTCT
GGTGTGCAAAGAGAAGCTCATTATTTGGAAGATTGCTCTGTCACCTATTACTAAGTTATCCGTTTGCAAA
GAACTTCAGCTGCCACCTAGTGATTTCCACTGGAGTGCCGACTTAGTGGCTCTTTCTTACTCTTCTCCCT
CAGGTGAAGCACATTCTACTCAGGCTGTTGCTGTCATGGTTGCCACCAGAGAAGGATCTATCCGCTATTG
GCCAAGCCTTGCTGGTGAAGATACCTACACAGAGGCTTTTGTAGATTCGGGAGGTGATAAGACTTACAGT
TTCCTAACAGCAGTGCAGGGAGGAAGTTTTATTTTGTCTTCATCAGGAAGCCAACTAATTCGGTTGATAC
CTGAGAGCTCAGGAAAGATTCATCAGCATATCCTGCCTCAGGGGCAAGGCATGCTTTCAGGAATTGGTCG
AAAAGTTTCTTCTCTTTTTGGAATTTTATCTCCTAGTAGTGATCTCACACTTTCAAGTGTTCTCTGGGAT
AGAGAGAGATCAAGCTTTTATAGCCTGACGAGTTCAAACATCAGTAAATGGGAATTAGATGATTCTTCAG
AAAAGCATGCATACAGTTGGGATATAAATAGAGCCCTGAAGGAAAACATTACCGATGCTATTTGGGGATC
TGAAAGTAACTATGAAGCTATTAAAGAAGGAGTCAACATTCGATATTTGGACTTGAAGCAAAACTGTGAT
GGGCTGGTGATTTTGGCAGCAGCATGGCACTCAGCAGACAATCCATGTCTCATCTATTACTCTCTGATAA
CAATAGAAGATAATGGTTGCCAAATGTCAGATGCAGTTACTGTAGAAGTCACTCAATATAATCCACCTTT
TCAGTCTGAAGACCTGATTTTGTGTCAGTTGACGGTCCCAAACTTTTCAAACCAGACTGCCTATCTGTAT
AACGAAAGTGCTGTCTATGTGTGCTCCACAGGAACTGGGAAATTTTCTCTTCCCCAGGAGAAAATTGTCT
TTAATGCACAAGGAGATAGTGTTTTAGGTGCTGGTGCCTGTGGTGGTGTTCCTATCATTTTTTCTAGAAA
CAGTGGACTGGTGTCTATTACTTCAAGGGAAAATGTGTCTATATTGGCAGAAGACTTGGAAGGGTCTTTA
GCATCTTCAGTTGCTGGACCAAACAGTGAGAGTATGATTTTTGAGACCACTACAAAGAATGAAACTATAG
CCCAGGAAGATAAAATCAAGTTGCTGAAAGCTGCCTTTCTGCAATACTGCAGAAAAGATTTAGGTCATGC

View online »

TCAAATGGTGGTTGATGAGCTCTTTTCCTCTCACTCTGATTTGGATTCTGATTCTGAACTAGACAGGGCA
GTTACCCAAATCAGTGTAGACCTGATGGATGACTACCCAGCATCTGACCCACGGTGGGCTGAGTCTGTCC
CTGAGGAAGCACCTGGGTTCAGCAATACGTCACTGATTATCCTTCACCAGCTAGAAGACAAGATGAAAGC
TCACTCTTTTCTTATGGACTTTATTCATCAAGTTGGCTTATTTGGACGTCTAGGCAGTTTTCCAGTTAGA
GGGACACCGATGGCCACTCGACTGTTGCTCTGTGAGCATGCCGAAAAGCTGTCAGCCGCCATTGTTCTCA
AGAACCACCACTCCCGGCTTTCTGACCTTGTCAACACAGCCATATTGATTGCTTTGAACAAGAGGGAGTA
TGAAATCCCATCCAACCTGACTCCTGCAGATGTCTTTTTCAGGGAGGTATCCCAAGTAGATACCATCTGT
GAGTGCTTACTGGAGCATGAGGAGCAAGTCTTGAGGGATGCACCTATGGATTCCATTGAATGGGCTGAAG
TGGTGATCAATGTGAACAATATTCTCAAGGATATGCTGCAGGCTGCTAGTCATTATCGCCAAAATAGAAA
CTCTTTGTATAGAAGAGAAGAATCACTAGAAAAAGAACCTGAATATGTTCCATGGACGGCAACAAGTGGT
CCTGGTGGCATCCGAACGGTAATAATACGCCAGCATGAGATTGTCCTGAAGGTGGCTTATCCACAGGCAG
ACAGCAACCTCCGAAACATCGTGACCGAGCAGCTGGTAGCCCTGATCGATTGCTTCCTGGATGGTTATGT
TTCTCAGCTTAAGTCTGTGGATAAATCCAGTAATCGGGAAAGATATGACAATCTGGAGATGGAATACCTA
CAGAAAAGATCAGATCTCTTATCTCCTCTTCTTTCACTAGGCCAGTACCTGTGGGCTGCTTCTCTAGCAG
AGAAATACTGTGACTTTGATATATTGGTACAAATGTGTGAGCAGACTGACAACCAGAGCCGACTCCAGCG
CTACATGACCCAGTTTGCTGATCAGAATTTTTCAGACTTTCTCTTCCGTTGGTATCTGGAGAAAGGAAAG
CGAGGCAAATTATTATCTCAGCCCATTTCTCAGCATGGACAGTTGGCAAATTTTTTGCAAGCTCATGAAC
ATCTCAGCTGGTTACATGAAATTAATAGCCAAGAATTAGAAAAGGCTCATGCAACACTTCTGGGTTTGGC
AAATATGGAAACTCGTTACTTTGCAAAGAAGAAAACCCTTCTTGGCTTGAGTAAATTGGCTGCATTAGCT
TCAGACTTTTCAGAGGATATGCTACAAGAAAAAATTGAAGAAATGGCTGAGCAGGAGCGCTTTCTACTGC
ATCAGGAGACCCTACCTGAACAGCTGCTGGCGGAGAAACAGCTAAATCTCAGTGCGATGCCAGTATTGAC
TGCACCACAACTCATTGGTCTATATATCTGTGAAGAAAATAGAAGAGCTAATGAATATGATTTCAAGAAA
GCTTTGGACTTGTTGGAATATATTGATGAGGAAGAAGATATAAATATAAATGATCTAAAACTGGAAATCC
TTTGCAAAGCTCTTCAGAGAGATAACTGGTCCAGTTCTGATGGCAAAGATGATCCAATTGAAGTATCTAA
AGACAGTATATTTGTGAAGATCTTACAGAAACTTTTAAAAGATGGCATTCAGCTCAGTGAGTACTTACCG
GAGGTGAAAGACCTGCTACAAGCGGATCAGCTTGGAAGCTTAAAGTCCAATCCTTACTTCGAGTTTGTTT
TGAAAGCAAATTATGAATATTATGTTCAGGGACAAATATAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018230 unedited
NGCGTTCAGCCATATTTGTGAATACGCACTCACTATAGGGGCGGCCGCGAATTCGCACGA
GGCTGCAACCTGACGGCCAGATCCCTCGCTGTCCTAGTCGCTGCTCCTTGGAGTCATGTT
CCCAGCCGCCCCTTCTCCGCGGACCCCGGGTACCGGGTCCCGAAGGGCCCGCTGGCCGGA
CTCGGGCCCGGCTCCACGCCCCGGACGGCTAGCAGGAAGGGTCTGCCCCTGGGGTCTGCA
GTCAGCTCCCCAGTGCTCTTCTCGCCGGTCGGCCGGCGTAGCTCGCTAAGCTCGCGGGGA
ACACCAACACGAATGTTCCCACACCACTCCATAACTGAGTCTGTGAACTATGATGTGAAA
ACGTTTGGATCTTCTCTTCCTGTTAAAGTCATGGAAGCCCTAACATTGGCTGAAGTCGAT
GACCAGCTGACCATTAACATAGATGAAGGTGGATGGGCTTGTCTGGTGTGCAAAGAGAAG
CTCATTATTTGGAAGATTGCTCTGTCACCTATTACTAAGTTATCCGTTTGCAAAGAACTT
CAGCTGCCACCTAGTGATTTCCACTGGAGTGCCGACTTAGTGGCTCTTTCTTACTCTTCT
CCCTCAGGTGAAGCACATTCTACTCAGGCTGTTGCTGTCATGGTTGCCACCAGAGAAGGA
TCTATCCGCTATTGGCCAAGCCTTGCTGGTGAAGATACCTACACAGAGGCTTTTGTAGAT
TCGGGAGGTGATAAGACTTACAGTTTCCTAACAGCAGTGCAGGNAGGGAAGTTTTATTTT
GGTCTCATCAGGAAAGCCAACTAATTCGTNTGATACCTGAGAGCTCAGGAAAGAATCATC
AGCATATCCTGCCCTCAGGGCAGGCATGCTTTCAGGAAATTGGTCGAAAAGNTTCTTCTC
TTTTTGGGAATTTATCTNCTCAANAGCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018230 unedited
NNNAATCTATGNACCCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTCATT
CACTAAAATACTTTCATTAGTGCTCATTTATTATTTATGTAGAAAAGTTTAAAATGCTCC
CAATGAGTTCATCAGTTATCAAGCTCACATGAGTTAGGCCCACTCTCCTTTGGTTTTTCA
TCTCATAATAAGTCAGCAAAAGTTGACATTTATCTTACTAGACATTTCCCATTAGCCCTA
ACTGAAACAGATATCAAACACCCTAGATTCTCTTCAGTGCAAAGTATCTGGAGTCACAGC
AATTTTAGAGACAAGCTAGTGCAATCTAGTAATTTTCATAGTCGCAGAAACTGAGGCCTA
GAAGTGATTTGTACATGTGAGCAGCTAGAACCAGGACAAGAACTCCAGAACCTGGGACCA
CGTGAGAGTAAAAAGAAAGGGCACCGAGTACAGGAACAACAACTGACACATTTCAGGTGG
AAAAAACAAGTCACATAACTGAAAACCAAAATCACAGTTACATAACTATTTTATATTAGC
TTCCTACATATAAAGTATAAAAACTCAGCTATACATGTTATGAAATTGTACAAACTTACA
CTTGTTTATGGCCTAAAATTTGTATAAGGACACACTTATACAGATTTCATAAACAATGGC
CATTTTTAGAAAAGTTATATTTGCCCCTGACATAATATTATAATTTGCTTTAAAACAACT
CGAAGAAGATTGGCTTTAAGCTTCCAGCTGATCCGCTTGAGCAGGTCTTTCACCTCGGGA
GTACTCACTGAGCTGATGCCATCTTTAAAGGTTTTGAAGATCTTCACAAATACTGGTTTA
AATCCTCAATGGGACCTCTTTGCCTCAGAACGACCCGNTATCCTCTGAGAGCTTTGCAAG
GATTCCGT

Restriction Sites: NotI-NotI

ACCN: NM_018230

Insert Size: 4000 bp

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).

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]