

Product datasheet for **SC110084**

NUP155 (NM_004298) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP155 (NM_004298) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUP155
Synonyms:	ATFB15; N155
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004298, the custom clone sequence may differ by one or more nucleotides

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ATGTCAGATATGGATTATCCTTTGCAAGGACCTGGTTTGTCTGTCGGTACCCAACCTTCCAGAGATCAGTT
CCATCCGAAGAGTTCTCTCCCACCTGAACTTGTGAGCAGTTTGGACATATGCAGTGTAATTGCATGAT
GGGTGTGTTCCCTCCTATCAGCAGAGCTTGCTCACAATTGACAGTGATATTCATGTGGAACATAGAG
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CACGATCTGAGAAAGGAGTAATACAGGTGATGATTTGGGACAAGATGGACAAGGAATGAGCAGAGTTGC
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CATCTTGGGGTCTCCTGTCTATTCTAGTTCCTGTTCTAGTGGTAGTCCCTATCCAAATCCATCCTTT
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TATGAGCTCGTCAGTAGCAGTACAAGCCATCACTGGGAATTTTAAATCTCTTCAAGCTAAATTAGAACGG
CTTCATTA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004298 unedited
 GGTTACATTTTGTAAATACGACTCACTATAGGGCGGCCCGCGATTTCGGCACGAGGCCAAG
 GCGCTCGTTTGGCGCGCGCCCTAGGCGGCGGATCTAAGCTAACTTCTTGGATCTTTTC
 TTGTTTCTCCTTGGTTTTGACTTTTTCTGGACCCTGGTGTCTACGATTTCCGAGATGCC
 GTCTTCTTTGTTGGGCGCGCGATGCCGGCCTCTACATCTGCCGACCCCTGCAGGAAGC
 TCTGAAAAATGCTGGACGGCTCATCGACCGTCAGTTGCAAGAGGACCCGCATGTACCCGGA
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 ATATGGCAGAATTTTCTTGGCTGGNAAGGATNGGCTGTTATATGAAGTANCCTACCCAG
 CTGAAGCAGGTTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004298 unedited
 GCGGGGGCNANCCCGACCCTTATCCCCANNGGNTTGNNGCCCTTATACAACCTTTTTCT
 TTAANTATGTTCTTACATTCTTANATTAGNACACCTGNTATCTGGACCCAGCTGAGTTTT
 TATTTTACAGATCATAAAACGGATGAAAGTATATCACAGTAATTAATGAAGCCGTTCTAA
 TTTAGCTTGAAGAGATTTAAAATCCCAGTGATGGCTTGTACTGCTACTGACGAGCTCAT
 AGACTGGAGCTCAACAAGGTAACCACAAACAGCATCCAGGCAGAGATTTGTAATCTTCT
 CCTTTCACAATTTAAAACCTGGCTGGGATTCTCAACATATCTTATCAATAATACATGTAT
 CAATCCAAAAGGTGCAGTGGCTTCTTCATTCTGTTCCAGAATGGATCCCGTGATTTGAA
 CAACTGATCATAAACTTCTAGTAGTCTAGGTAATGGTACTCCAATTTTCATTATTGTCTG
 TATTACGAAGCCACATCCCAGTTCAAAGTACAAACCTGCTGTTCTAAAAACTGTACAAT
 AAAATCTAAAGGAAAGAAGCGTGGTGTGCCAGCATAAATTTTGCCAAGGAGAACAATCTT
 GAGACTAAGAGCATGCATTCTATCCGAGGAGCTCAATGTCACACTGTCACTCAATCTTT
 CTCTATGATATCTTGCCAAAGTGTCTGCACCAATATAGGGTCTGAATAACCGGCACAATG
 AATTATTGCAAGTTTGCACCTCTGCAAGTTTAAATGGGTGAGCAAATCCCATANAGCTT
 AGTTATGTCCATCAGCTCAGAATCCAGCTGAGAACTGCATCCTGTACAGAAAATGATGG
 AAATACTGCCTTTGTAGTGTCTCCTGTATCTGAAGTTGGATCCTAGCACCTTCATTTTTT
 CTCTATTTCATGAAGAAATTCACCATCGCAGCTATTGATGAAATGGCAGTGGAACTTTTG
 GCACTT

Restriction Sites:

NotI-NotI

ACCN:

NM_004298

Insert Size:

5270 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_004298.2](#), [NP_004289.1](#)

RefSeq Size: 4200 bp

RefSeq ORF: 3999 bp

Locus ID: 9631

UniProt ID: [O75694](#)

Cytogenetics: 5p13.2

Domains: Nucleoporin

Gene Summary: Nucleoporins are proteins that play an important role in the assembly and functioning of the nuclear pore complex (NPC) which regulates the movement of macromolecules across the nuclear envelope (NE). The protein encoded by this gene plays a role in the fusion of NE vesicles and formation of the double membrane NE. The protein may also be involved in cardiac physiology and may be associated with the pathogenesis of atrial fibrillation. Alternative splicing results in multiple transcript variants of this gene. A pseudogene associated with this gene is located on chromosome 6. [provided by RefSeq, May 2013]
Transcript Variant: This variant (2) uses an alternate splice site in the 5' terminal exon and uses a downstream start codon compared to variant 1. It encodes isoform 2 which has a shorter N-terminus compared to isoform 1.