

Product datasheet for SC100520

NUP155 (NM_153485) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP155 (NM_153485) 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:	>OriGene ORF within SC100520 sequence for NM_153485 edited (data generated by NextGen Sequencing)

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ATGCCGTCCTTTGTTGGGCGCGCGATGCCGGCCTCTACATCTGCCGAGCCCTGCAG
GAAGCTCTGAAAAATGCTGGACGGCTCATCGACCGTCAGTTGCAAGAGGACCGCATGTAC
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GTTCTCCTCTCAGCACAGGGGAGCCTTATGTTTCATAAACTTAGACCTGTAGATCAACTG
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TTACATCAGGAAGACCAGGCTTGTGCAACTTGCCTTATTCTTGCTTGCTCCACTGCTGCC
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CTTGTGAGCTCCAGTCTATGAGCTCGTCAAGTACAGTACAAGCCATCACTGGGAATTTT
AAATCTTCAAGCTAAATTAGAACGGCTTCATTA

Clone variation with respect to NM_153485.1

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_153485 unedited GGGTTCAAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGATCT AAGCTAACTTCTTGGATCTTTTCTGTTTCTCCTTGGTTTTGACTTTTTCTGGACCTG GTGTCTACGATTTCCGAGATGCCGTCTTCTTGTGGCGCGGCGATGCCGGCCTCTACA TCTGCCGACCCCTGCAGGAAGCTCTGGAAAATGCTGGACGGCTCATCGACCGTCAGTTG CAAGAGGACCGCATGTACCCGGACCTTCCGAGCTGCTTATGGTGTCTGCCCAAATAAT CCCACCGTTTTCTGGCATGTCAGATATGGATTATCCTTTACAAGGACCTGGTTTTGCTGTCC GTACCCAACCTTCCAGAGATCAGTTCCATCCGAAGAGTTCTCTCCACCTGAACTTGTT GAGCAGTTTGACATATGCAGTGAATTGCATGATGGGTGTGTTCCCTCTATCAGCAGA GCTTGGCTCACAATTGACAGTGATATTCATGTGGAATGAGGATGGAGGAGACCTT GCCTATTTTGTGGACTTAGTGAGACTATTCTTGTGTGGGGCTGTGAAGCCAAAAGCA GGCATCTTTCAACCTCATGTGCGACACCTCCTGGTTTTGGCGACCCCTGTAGACATAGTA ATTCTTGGACTCAGCTATGCTAATTTGCAAACAGGTTCTGGAGTTCTTAATGATAGTTTG TCTGGTGAATGCAGTTGCTTCCAGATCCTTTATATTCTTNTACTGATAATACTTAC CTTTTAAACAATAACTTNCCTGATNATGGCAGAAATTTCTTGGCTGGAAAGATGGCTGTT ATATGAAGTACCTACCCGCTGAACANGGTGGTTAGCCAAAGAGTANGAAAATAACCCTCA AGAGCTACTTCTTNCCTGTNCTTCTGCTC
Restriction Sites:	NotI-NotI
ACCN:	NM_153485
Insert Size:	5150 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:	<ol style="list-style-type: none"> 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:	<u>NM_153485.1</u> , <u>NP_705618.1</u>
RefSeq Size:	4355 bp
RefSeq ORF:	4176 bp
Locus ID:	9631
UniProt ID:	<u>O75694</u>
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 (1) encodes the longest isoform (1).