

Product datasheet for **SC338036**

NUP153 (NM_001278210) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP153 (NM_001278210) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUP153
Synonyms:	HNUP153; N153
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278210, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTCGGGAGCCGGAGGAGTCGGAGGGGGCGGTGGCGGCAAGATCCGGACGCGGCGTTGCCACCAGG
GGCCAATTAAGCCTTACCAGCAGGGGCGACAACAGCATCAGGGCATTCTTAGCAGGGTTACAGAATCTGT
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AAATGACTACCTCCATCATCTATTGGATTTACATTTAGTGTGCCTGTTGCAAAAACAGCAGAACTTTCT
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 AAATCTAGCACACCTGCAGCCTCAGCCAGCCTTCAAGCTCGGGGGGCTTTCCATTTAACCAGTCTCCA
 GCAGCATTTACAGTGGGGTCAAATGGGAAAAATGTTCTCTTCTTCTGGAACCTCATTCTCTGGTCGA
 AGATAAAGACTGCTGTTAGACGCAGGAAATAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001278210
- 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_001278210.1](#), [NP_001265139.1](#)

RefSeq Size: 5811 bp

RefSeq ORF: 4302 bp

Locus ID: 9972

UniProt ID: [P49790](#)

Cytogenetics: 6p22.3

Protein Families: Druggable Genome, Stem cell - Pluripotency

Gene Summary: Nuclear pore complexes regulate the transport of macromolecules between the nucleus and cytoplasm. They are composed of at least 100 different polypeptide subunits, many of which belong to the nucleoporin family. Nucleoporins are glycoproteins found in nuclear pores and contain characteristic pentapeptide XFXFG repeats as well as O-linked N-acetylglucosamine residues oriented towards the cytoplasm. The protein encoded by this gene has three distinct domains: a N-terminal region containing a pore targeting and an RNA-binding domain domain, a central region containing multiple zinc finger motifs, and a C-terminal region containing multiple XFXFG repeats. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]
Transcript Variant: This variant (3) lacks two alternate in-frame exons in the 5' coding region compared to variant 1. It encodes isoform 3 which is shorter than isoform 1.