

Product datasheet for RC240142

NUP153 (NM_001278210) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP153 (NM_001278210) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NUP153
Synonyms:	HNUP153; N153
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC240142 representing NM_001278210 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCTCGGGAGCCGGAGGAGTCGGAGGGGGCGGTGGCGCAAGATCCGGACGGCGGTTGCCACCAGG
GGCCAATTAAGCCTTACCAGCAGGGGCGACAACAGCATCAGGGCATTCTTAGCAGGGTTACAGAATCTGT
TAAGAATATTGTCCAGGGTGGCTACAAAGATACTTCAACAAGAATGAAGATGTATGCAGCTGTTCAACA
GACACAAGCGAGGTTCCACGCTGGCCAGAAAATAAGAGGACCATCTGGTATATGCCGATGAGGAGAGCT
CTAATATTACTGATGGGAGAATCACACCTGAGCCAGCAGTCAGTAATACAGAAGAACCTTCAACAACCTAG
TACTGCTTCAAATATCCAGATGTGTTAACAAGGCCTTCTTTCATCGGAGCCATCTGAATTTTTCCATG
TTGGAATCCCCTGCATTACACTGTCAGCCATCTACATCCTCGGCATTCCAATTGGCAGTTCCGGATTTT
CCCTTGTAAAGGAAATTAAGATTCTACCTCTCAGCATGATGATGATAACATCTCAACTACCAGTGGTTT
TTCTTCAAGAGCTTCTGATAAAGATATAACTGTTTCAAAGAACAACCTTCAATGGCCACTCTGTGGTCCCA
GAAGCTGAACGTTCTCACTCACTCTCACAGCACACTGCCACCAGCTCAAAAAACCAGCATTCAACTTGT
CTGCCCTTGGAACACTTCCCCTTCACTTGGGAATTCCTCAATCCTTAAAACCAGTCAGTTGGAGATTCT
TCCTTTTTATCCTGGAAAAACAACATACGGTGGGGCAGCAGCTGCTGTAAGACAGTCTAAACTACGAAAT
ACACCTTATCAGGCACCAGTTAGAAGACAAATGAAAGCTAAGCAACTCAGTGCACAATCTTACGGTGTGA
CCAGTTCAACAGCTCGGCGAATATTGCAGTCTTTAGAGAAGATGTCAAGCCCTTTAGCGGATGCAAAAAAG
AATTCCATCCATTGTTTCTTCTCCTCTGAATTCTCCTCTTGATAGGAGTGGGATAGATATCACAGATTTT
CAGGCCAAAAGAGAAAAGGTGGATTCTCAATATCCTCCTGTTTCCAGAGACTTATGACCCCAAGCCAGTTT
CCATAGCAACAAATCGAAGTGTATTTTAAACCATCTCTGACTCCTTCTGGTGAATTCAGGAAGACTAA
TCAAAGAATAGATAACAAGTGCAGTACTGGATATGAAAAAATATGACACCCGGACAAAAATAGAGAACAA
CGAGAAAGTGGCTTTTCATATCCAAATTCAGTTTGCCTGCAGCCAATGGTTTATCTTCTGGAGTAGGTG
GTGGAGGTGGCAAGATGAGACGAGAAAGAACACGCTTTGTTGCTTCTAAACCTCTGGAGGAGGAGGAAAT
GGAAGTCCAGTATTACCGAAAATCTCTCTACCGATCACCAGTTCTTCACTGCCTACCTTAAATTTAGT
TCCCCTGAGATCACAACTTCTCTCCATCACCCATCAATTCGTCCTCAAGCATTAAACAACAAGGTACAAA



[View online »](#)

TGACCTCTCCGAGCAGCACTGGCAGTCCCATGTTTAAATTTTCATCTCCAATCGTAAAATCTACTGAGGC
AAATGACTACCTCCATCATCTATTGGATTTACATTTAGTGTGCCTGTTGCAAAAACAGCAGAACCTTTCT
GGTTCTAGTAGTACTTTAGAACCAATTATAAGTAGTTCAGGTTTCGCATCGCCGAAGATAGATTCTGTTG
CTGCTCAGCCCACCGCAACAAGCCAGTAGTTTATACAAGACCAGCAATAAGTAGCTTTTCTTAGTGG
AATTGGGTTTGGGAGAGTTTAAAAGCTGGGCATCATGGCAGTGTGATACATGTCTACTCCAGAACAAA
GTTACAGACAACAAATGCATAGCCTGTCAAGCAGCAAAATGTCACCCAGAGACTGCTAAACAGACTG
GAATTGAAACACCAAAATAAAGTGGCAAAAACACTCTTTCTGCATCAGGGACAGGCTTTGGAGACAAAT
TAAACCAGTGATAGGCACTTGGGATTGTGATACCTGTTTGTGCAAAAATAAACCTGAAGCAATAAAATGT
GTAGCCTGTGAAACACCGAAACCTGGAACCTGTGTGAAGCGAGCCCTTACATTGACAGTGGTTTCGGAAA
GTGCTGAGACTATGACTGCTTCTCTCCAGTGCCTGTAACCACTGGTACCTTAGGATTTGGAGATAA
ATTCAAAAGGCCATTGGATCTTGGGAGTGTTCAGTATGCTGTGTTTCTAATAATGCAGAAGACAATAAG
TGTGTGCTCTGTATGCTGAGAAACCAGGAAGTTCAGTACCTGCTTCAAGTAGCAGCACTGTACCTGTCT
CTCTGCCTTCTGGAGGCTCTCTAGGATTGGAAGTTCAGAAACCCGAGGAAGCTGGGACTGTGAATT
GTGCCTAGTGCAGAATAAGGCAGACTCTACCAATGTTTGGCATGTGAAAGTGCAAAGCCAGGCACAAAA
TCTGGGTTTAAAGGCTTTGACACATCTTCTCATCTTGAAGTTCAGCAGCCTCTCATCCTTCAAATTTG
GTGCTCATCATCTCTTCTGGGCTTCTCAGACTTTAAACAAGCACTGGAATTTTAAATTTGGAGATCA
GGGAGGATTCAAAATAGGTGTGTATCCGATTCTGGGTCTATAAACCCCATGAGTGAAGGCTTTAAATTT
TCTAAACCAATAGGAGATTTTAAATTTGGAGTTCATCTGAATCTAAGCCCGAAGAAGTTAAAAAGATA
GTAAGAATGATAATTTTAAAGTTTGGACTTTCTTCTGGTTAAGCAACCCAGTTTCTTAACTCCATTTCA
ATTTGGGTATCTAATCTTGGACAGGAAGAAAAGAAAGAGGAAGTGCCTCAATCTTCTCTGCAGGTTTT
AGCTTTGGTACAGGTGTTAATACTCCACCCCTGCTCCTGCTAACACCATAGTGACCTCTGAGAACAAGA
GCAGCTCAACCTTGAACCATAGAACAAGAGTGTTCAGTGGCTCCTTTACATGTAAGCATCAGA
AGCTAAAAAAGAAGAAATGCCTGCCACCAAGGAGGATTCTCTTTGGCAACGTGGAGCCTGCCTCTCTG
CCATCTGCCTCAGTGTTTGTGTTTGGGAAGGACAGAAGAGAAAACAGCAAGAGCCTGTCACTTCTACTTCCC
TAGTTTTTGGGAAGAAAGCTGACAATGAAGAGCCAAAGTGTCAACCAGTGTTCCTTTGGGAATTCAGA
GCAAACCAAGATGAGAATCTTCAAAGTCCACATTTAGTTTTAGTATGACAAAACCATCTGAGAAGGAA
TCTGAACAGCCAGCAAAAAGCCACTTTTGCCTTTGGAGCTCAAAGTACTACAGCTGATCAAGGTGCAG
CAAAGCCAGTTTTAGTTTTCTTGAACAACAGTTCCTCTAGTTCAAGTACACCAGCCACTTCTGCTGGTGG
TGGCATATTTGGTAGTTCACCTCTTCTCCAATCCACCTGTGGTACCTTTGTGTTTGGACAGTCCAGC
AATCCTGTGAGCAGCTCTGCCTTTGGTAACACTGCTGAATCCAGCACCTCTCAGTCTTTGCTATTTCTC
AAGATAGCAAAGTACCAACCATCCAGCACAGGTACAGCTGTACCCCATTTGTCTTTGGTCCAGGAGC
CAGCAGTAATAATACTACCACCTCTGGTTTCGGCTTTGGAGCCACAACCACATCTAGCTCTGCAGGATCC
TCCTTTGTATTTGGAAGTGGACCCTCAGCACCATCTGCCAGTCCAGCATTGGTGTCTAACAGACCCCAA
CATTTGGACAAAGTCAAGGTGCCAGCCAGCCCAATCCCCAGGCTTTGGATCTATATCATCTTCCACAGC
ATTATTTCCCACTGGTCTCAGCCTGCACCACCTACTTTTGGACAGTGTCAAGCAGTAGCCAGCCCTT
GTGTTTGGACAGCAACCTAGTCACTGTGATTTGGCTCTGGAACAACCTAATTCTAGTTCCGCTTTCC
AGTTTGGCAGCAGCACTACAAATTTCAACTTCAACAACAACAGTCCATCAGGAGTGTTCACATTTGGTGC
AAATCTAGCACACCTGCAGCCTCAGCCAGCCTTCAAGGCTCGGGGGCTTTCCATTTAACAGTCTCCA
GCAGCATTTACAGTGGGTCAAATGGGAAAAATGTGTTCTTCTTCTGGAACCTCATTCTCTGGTCGCA
AGATAAAGACTGCTGTTAGACGCAGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC240142 representing NM_001278210
 Red=Cloning site Green=Tags(s)

MASGAGGVGGGGGKIRTRRCHQGPICKPYQQGRQQHQGILSRVTESVKNIVPGWLQRYFNKEDVCSCT
 DTSEVPRWPENKEDHLVYADEESSNITDGRITPEPAVSNTEEPSTTSTASNYPDVLRPSLHRSHLNFMS
 LESPALHCQPSTSSAFPIGSSGFLVKEIKDSTSQHDDDNISTTSGFSSRASDKDITVSKNTSLPPLWSP
 EAERSHLSQHTATSSKKPAFNLFAFGTSLPSLGNSSILKTSQLGDSPPYPGKTTYGGAAAARQSKLRN
 TPYQAPVRRQMKAKQLSAQSYGVTSSARRILQSLEKMSSPLADAKRIPSISSPLNSPLDRSGIDITDF
 QAKREKVDSDYPPVQRLMTPKPVSIATNRSVYFKPSLTPSGEFRKTNQRIDNKCSTGYEKNMTPGQNREQ
 RESGFSYPNFSLPAANGLSSGVGGGGKMRERTRFVASKPLEEEEMEVPVLPKISLPIITSSSLPTFNFS
 SPEITSSPSPINSSQALTNKVQMTSPSSTGSPMFKFSSPIVKSTEANVLPSSIGFTFVSPVAKTAELS
 GSSSTLEPIISSSGFASPKIDSVAQAQPTATSPVVYTRPAISSFSSSGIGFGEKAGSSWQCDTCLLQNK
 VTDNKCIAQAAKLSRDTAKQTGIETPNKSGKTTLSASGTGFGDKFKPVIPTWDCDTCVQNKPEAIKC
 VACETPKPGTCVKRALTLTVVSESAETMTASSSSCTVTTGTLGFGDKFKRPIGSWECSVCCVSNNAEDNK
 CVSCMSEKPGSSVPASSSSTVPVSLPSGGSLGLEKFKKPEGSWDCELCLVQNKADSTKCLACESAKPGTK
 SGFKGFDTSSSSSNSAASSSFKFVSSSSSGPSQTLTSTGNFKFGDQGGFKIGVSSDSGSINPMSEGFKF
 SKPIGDFKFGVSSSEKPEEVKDKSKDNDFKGLSSGLSNPVSLTPFQFGVSNLGGQEEKKEELPKSSSAGF
 SFGTGVINSTPAPANTIVTSENKSSFNLTGIIETKSASVAPFTCKTSEAKKEEMPATKGGFSFGNVEPASL
 PSASVFLGRTEEKQEPVTSTSLVFGKKADNEEPKCQPVFSFGNSEQTKDENSSKSTFSFSMTKPSEKE
 SEQPAKATFAFGAQTSTTADQGAAPVFSFLNNSSSSSSTPATSAAGGIFGSSTSSSNPPVATFVFGQSS
 NPVSSSAFGNTAESSTSQSLLFSDSKLATTSTGTAVTPFVFGPGASSNNTTSSGFGGATTTSSSAGS
 SFVFGTGPSAPSASPAFGANQPTTFGQSQASQPNPPGFGSISSTALFPTGSQAPPTFGTVSSSSQPP
 VFGQQPSQSAFGSGTTPNSSSAFQFGSSTTNFNFTNNSPSGVFTFGANSSTPAASAQPSGSGGFPFNQSP
 AAFTVGSNGKNVSSSGTSFSGRKIKTAVRRRK

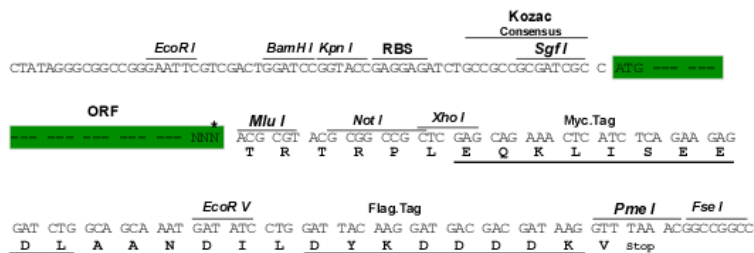
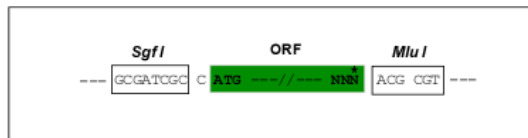
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

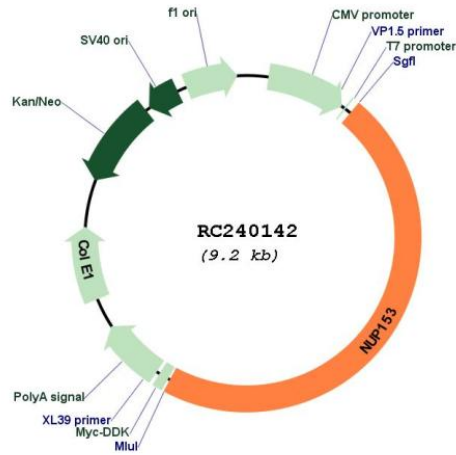
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001278210

ORF Size: 4299 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	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
MW:	149.8 kDa
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]