

## Product datasheet for MR211997

### Nup153 (NM\_175749) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nup153 (NM\_175749) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nup153  
**Synonyms:** B130015D15Rik; C88147  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR211997 representing NM\_175749  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCTCGGAAGCCGGAGGCATAGGAGGGGGCGGCGGCGGCAAGATCCGGACTCGTCGTTGCCACC  
 AGGGGCCGGTGAAGCCTTACCAACAGGGGGCACCCCAACACCAGGGCATTCTTAGCAGGGTTACAGAATC  
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 GTGTTGGAATCCCTGCTTTGCACTGTCAGCCCTCCACATCCTCTGCGTTCCCAATCGGCAGTTCTGGAT  
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 AAGAATCCATCTGCAGTTTCTCTCCTCTGAATTTCTCCTCTTGATAGGAGTGGGATAGATAACACAGTT  
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 TAATCAAAGGATAGATAAAAAGAACAGTACTGTAGATGAAAAAGTATCTCAAGACAAAATAGAGAGCAA  
 GAAAGTGGCTTTTCATACCCCAATTTTCAGTATTCCTGCAGCCAATGGTTTATCTTCTGGAGTAGGTGGT  
 GAGGTGGCAAGATGAGAAGAGAGAGAACACATTTGTTGCTCCTAAACCTCCAGAGAATGAGGAAGTGA  
 AGCACCATTGTTACCGCAATCTCTACCAATCAGCAGTTCTTCACTGCCACCTTCAGTTTTAGTTCC



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CCTGTGACCTCGGCTTCTCCTTACCAGTCAGCTCTTCTCAGCCATTACCAAACAAGGTACAGATGACCT  
CTCTGGGCAGCACGGGCAGTCTGTGTTTACATTTCTATCTCCCATTGTAATAATCCACGCAGGCAGCTGT  
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AGTTCTTCAGAAACAGTTTTAAGTAGTTCAGCCCAAGATCACTGCAGTGAATAGTTCAAGCTATAAGA  
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CAAGCAGCAGCCAACTCCTGTGTTTGGACAGCAGCCTAGTCAGTCTGCATTTGGCTCTGGGACAGCTAA  
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TTCAGTTTCTGGTCGCAAGATAAAGACTGCTGTTAGACGCAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
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Protein Sequence: >MR211997 representing NM\_175749  
 Red=Cloning site Green=Tags(s)

MASEAGGIGGGGGGKIRTRRCHQGPVKPYQGRPHQHGILSRVTESVKNIIVPGWLQRYFNKSENACSCS  
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 VLESPALHCQPSTSSAFFIGSSGFLVKEIKDSTSQHDDDNISTTSGFSSRASEKDIIVSKNTSLPPLWS  
 PEASRSHLSQHTAISSKKPAFNLFAFGTLSTSLGNSSILKTSQLGDSFPFYPGKTTYGGAAAARQNKVR  
 STPYQAPVRRQMKAKQLNAQSYGVTSSTARRILQSLEKMSPLADAKRIPSAVSSPLNSPLDRSGIDNTV  
 FQAKKEKVDSQYPPVQRLMTPKPVSIATNRTVYFKPSLTPSGDLRKTNRIDKKNSTVDEKISRQNREQ  
 ESGFSYPNFSIPAANGLSSGVGGGGGKMRRETRHFVAPKPPENEEVEAPLLPQISLPISSSSLPTFSFSS  
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 SSETVLSQAQDITAVNSSSYKRSAPCEDPFTPAKILREGSVLDILKTPGFASPKVDSALQPTTTSS  
 IVYTRPAISTFSSSGIEYGESLKAGSSWQCDTCLLQNKVTDNKCIAQAAKLPLKETAKQTGTGTPSKSD  
 KPASTSGTGFQKFKPAIGTWDCDCLVQNKPEAVKCVACETPKPGTGVKRALTLTVASESPVTASSSTT  
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 KPEGSWDCEVCLVQNKADSAKCIACESAKPGTKSEFKGFGTSSSLNPAPSAFKFGIPSSSSGLSQTLTST  
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 PASSAPFQFVSTLGGQEKKEELPKSSPAGFSFGAGVNNPPNAAIDTTATSENKSGFNFTLDTKSVSVT  
 PFTYKTEAKKEDAPATKGGFTFGKVGSSSLPSSSMFVLGRTEEKQQEPTVSTSLVFGKKADSEEPKCP  
 VFSFGNSEQTKDESSKPTFSFSAKPSGKESEQLAKATFAFGNQNTTTDQGAAPVFSFLNSSSSSSSA  
 PATSSSGGIFGSSSTSSSNPPVAAFVFGQASNPVSSSAFGNAAESSTSQLLPQESEPATTSSTAPAASP  
 FVFGTGASSNSVSSGFTFGATTTSSSSGSSVFGTGHSAPSASPAFGANQTPTFGQSQGASQPNPPSFGS  
 ISSSTALFSAQSQVPPPIFGTVSSSSQPPVFGQQPSQSAFSGGTANASSVFQFGSSTTNFNFTNNNPSG  
 VFTFGASPSTPAASAQPSGSGVFSFSQSPASFTVGSNGKNMFSSSGT SVSGRKIKTAVRRKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9040\\_f09.zip](https://cdn.origene.com/chromatograms/mm9040_f09.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_175749

ORF Size: 4386 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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:**

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\\_175749.2](#), [NP\\_786925.2](#)

**RefSeq Size:** 6021 bp

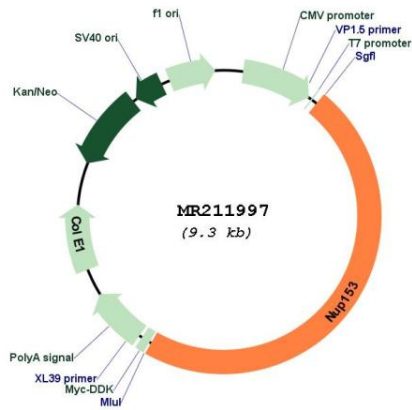
**RefSeq ORF:** 4389 bp

**Locus ID:** 218210

**Cytogenetics:** 13 A5

**MW:** 152.5 kDa

Product images:



Circular map for MR211997