

## Product datasheet for **MC205416**

### **Nup93 (NM\_172410) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nup93 (NM_172410) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nup93
Synonyms:	2410008G02Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC023140  
AAGCCGGCAGCGGGCGGCGACGGAGGCAGCATCTGCATCTCCAATGGATACTGAGGGGTTTGGTGAGCTC  
CTTCAGCAAGCTGAACAGCTTGCTGCTGAGACTGAAGGCATCTCTGAGCTTCCACATGTAGAACGAAATT  
TACAGGAGATCCAGCAAGCTGGTGAGCGCTGCGTTCCCGTACCCTCACACGCACATCCCAGGAGACAGC  
AGATGTCAAGGCATCAGTTCTTCTCGGGTCAAGGGGACTTGACATATCCCATATCTCCAGAGACTGGAG  
AGTCTGAGCGCAGCCACCACTTTTGAACCTCTCGAGCCTGTGAAGGACACGGACATTCAGGGCTTCCCTGA  
AGAATGAGAAAAGATAATGCCTTGTGTCTGCTATTGAAGAGTCCCGGAAGAGGACCTTTGGCATGGCTGA  
GGAGTATCATCGAGAATCAATGCTGGTGGTGGGAAACAAGTGAACAAAGGATTCTGCACACACTGCTG  
GCATCGGGAGAGGATGCCCTTGACTTACCCAAAGAAAAGTGAAGCCGAGTTACATCGGTGATGTGAATCCCC  
CTGGGCGAAGCTCTGATAGCATTGAGATGGCCTATGCCCGGCAGATCTATATCTATAACGAGAAGAT  
TGTGAGTGGACACCTACAGCCTAACCTGGTGGACCTGTGTGCCTCTGTGCAGAGCTGGATGACAAGAGC  
ATTTCTGACATGTGGCCATGGTAAAACAAATGACAGATGTGGTGTGACACCAGCAACTGACGCCCTGA  
AGAGCCGAGCAGTGTGGAAGTGCATGGACTTTGTCAAGCAAGCCTTGGGATATCTTGAGCAGAGTTA  
TAAGAATTACACCCTTGTGACTGTCTTCGAAAATCTGCATCAGGCACAGCTGGGGGTGTGCTGGGACT  
TACCAGCTGGTTCGGAGTTTTCTAAACATTAAGTCCAGCTCCTTACCAGGACTTCAGGATGGAGAGG  
TAGAAGGCCATCCTGTCTGGGCATTAATTTATTACTGCATGCGCTGTGGAGACCTGCTTGGCGCATCACA  
AGTCGTGAGTCCGAGCCAGCACCAGCTTGGGGAATTTAAAACCTGGTTCCAGGAGTACATGAACAGCAAG  
GATAGAAGATTGTCTCCAGCTACAGAAAACAACTCCGACTTCACTACCCGAGAGCCCTCAGGAACAACA  
CAGACCCCTACAAGAGAGCTGTGTACTGTATTATTTGGGAGATGCGATATCACCGACAATCAGAGTGAAGT  
AGCCGACAAGACTGAGGACTACCTATGGTTAAAATTTGAACCAGGTGTGTTTTGATGATGACGGCACCAGC  
TCACCACAAGACAGGCTCACTCTCTCACAGTTCAGAAAGCAGCTGCTAGAAGACTATGGCGAGTCCCCT  
TCACGGTGAACCAGCAGCCCTTCTCTACTTTCAAGTGTGTTCTGACTGCACAGTTTGAAGCTGCCAT  
TGCTTCTCTTCCGATGGAGCGGCTGCGCTGCCATGCTGTCCATGTGGCCCTGGTGTGTTTGAGCTA  
AAGCTGCTTTTTAAAGTCCCTCTGGACAGAGTGTCTCAACTCCTCAGCCACGAGCCTGGCGACCTCCCTGCA  
TGCAGCGCTGAACTTTGTGCGTCTGCTCATGCTTACACCCGCAAGTTTGAAGTCCACGGACCCAAGAGA  
AGCCCTCCAGTACTTTTACTTCTCAGGGATGAGAAAAGCAGTCAAGGAGAAAACATGTTTCTGCGCTGT  
GTGAGCGAGCTTGTGATAGAAAGTGCAGAGTTTGATATGATTCTTGAAAACCTAGAGAACGATGGAAGTA  
GAAAGCCTGGAGTTATAGATAAGTTTACCAGTGCACAAAAGCCTATTATCAACAAAGTTGCTTCGGTGGC  
AGAAAACAAGGACTGTTTGAAGAGGCAGTGAAGCTTTATGACCTTGCTAAGAATGCTGACAAGGTGTTG  
GAGCTGATGAACAAGCTGCTAAGCCCTGTGTCCACAGATCAGCGCCCCACAGTCTAACAAAGAAAGGC  
TGAAGAATGAGCCCTCTCCATTGCGGAGAGGTACAGAGCTCAGGAATAAGTGCATAAAGTTTGTGGA  
CTCTACATTCTATCTCTCTTGGACCTGATCACCTTTTTTACAGGATATCACAGTGGTCAATTGACAGA  
GCCTTTGATATTATTGACCGCTTGAAGCTGGTGCCTCTGAATCAGGAGAGTGTGGAGAAAAGGGTGGCTG  
CCTTCAGAAAACCTCAGTATGAAATCAGACACAACCTCTCAGAAGTTCTTCTCGCCACCATGAACATCCT  
GTTACACAGTTTAAAGAGGCTCAAGGGAACAAGTCCATCTTCAGCAACCAGGCCCCAGCGAGTCAATTGAA  
GACCGTACTCTCAACTCCGAAGTCAAGCCAGAGCCCTGATTACCTTTGCTGGGATGATACCGTACCGGA  
CGTCGGGGGACTAATGCCAGGCTGGTGCAGATGGAGGTCTCATGAATTAAGCGCTGTGTTTGTGGG  
GTCTGGGACTGCACACTGTCAGTATATTAGGCAGTGGGCCAGCTGGGGTGGGTTTCCAGTTTTGTTTCT  
GTTGTGTTGTGTTTTGTTTTTTGTTATTATGATTTTTGTCAATACCAATAAATTTCTTTGATTTGATTT  
CTTTTAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_172410

**Insert Size:** 2460 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC023140</a></u> , <u><a href="#">AAH23140</a></u>
<b>RefSeq Size:</b>	2680 bp
<b>RefSeq ORF:</b>	2460 bp
<b>Locus ID:</b>	71805
<b>UniProt ID:</b>	<u><a href="#">Q8BJ71</a></u>
<b>Cytogenetics:</b>	8 C5
<b>Gene Summary:</b>	Plays a role in the nuclear pore complex (NPC) assembly and/or maintenance. May anchor nucleoporins, but not NUP153 and TPR, to the NPC (By similarity). During renal development, regulates podocyte migration and proliferation through SMAD4 signaling (By similarity) (PubMed:26878725).[UniProtKB/Swiss-Prot Function]