

## Product datasheet for **RN212657**

### **Usp53 (NM\_001106468) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Usp53 (NM_001106468) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Usp53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN212657 representing NM\_001106468  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGATGTGAAAAGCCTATCATTATAAACCAGATAATTTGAAGGAAAATGGATTTGGTGGTCAGATAA  
 AGCAGAAAAGAAAATCACAAATTTCAAGGTGATAACATTTCTCCTTTAATCGGAGCCAAGTGCAGACAAG  
 TGGAAAGGAGAGCACCAGTTAAGTTAAGCCATGATCAAAGAGAAAAGATAAAAAGACATTTCCAGAGAAATGT  
 GCTCTGAAAGCCATGGAACAGAAAAATGCACTTTCTTCTCAACGAAAAGAGTTAGAAAAGGGACAGAGGA  
 AAGACACAGGCCCGCACAGAGATGTGGTTGATGAAGACCTGTCGCTTTTCAAGTCTGCTTACCTCCTGC  
 TTCAGATGGCTTTAGACAACAAGGGAACCCCATCTGTACCACAGCCAAGGCAAAGGACCTTGTAACAT  
 GACCGAGCTGCCTCTGAGAGCTCCTCCTCAGGAAAAGTGTGAGTTCAAGCAGATCCCAGAATCCTCTTG  
 TTCTGGAGAGAAGACAACAGGCAAAGCTAAGAGTGACAGTGGCACTGGTTATGATACAGACAGCAGCCA  
 AGATTC AAGGGACAAGGAGGCAGCTACGGTAGTAGGACCAAAGCCGCCACCGAGGCTGGAACCCATG  
 AGAGAAAACATTAACGTCGATAGTGTTTTTAGTGAAGTGAAGAAAAGGCAGCATAGTCCAAGCGGGAAGT  
 CAGATATTGGGAACAGACCTAAGTGTAGCAAGGACCAGAGTTGTAATAACTGGCCAAAAGCAAACCCAAA  
 GCGAAAAGGCTTAATGACCATATATGAAGTGAATGAAACAAGAGGCAGGAAGCAGAAGTTCCCATGAA  
 ACTAATGGGAAAGGAGCAGAGAAAAACACAGGCCGCTGCCGAGAGCAGAGGTCCTGGAAGCAGCTGGCAGA  
 TGCAGAGGACAGAGTCTGGGTATGAGAGCAGCGATCATGTCAGTAATGGATCTGCTAGCTTGACTCTCC  
 TGGTATTGATGGAAGTGGGGCAGTCATGGATGTCGGTGGTAAAGCCTTCAGTGAGCAGATTAAGATG  
 AACAGCCCAAACCGGACAGTGTGGAGTGTGTATCTCATCAGAGCAAAGACCTCCAGAAGGCTTTAGAA  
 AAGACCTCCAGGACTTGGAAAGCAGATGATAAATCTTATGAGCTCCACCCAGAATCACATGTGCAAATAAA  
 AAACCATTTGATAAAAAGGTCACAGATTTGGTGAACCAATGACAAGCTGTTTCCTTCAGCCAGCTCACAA  
 ACACCTGCAAGAGAGTATGTCTACCAGACAATGAACAGAAAGGAGAAAAACAGATAGGACCAATGTT  
 CTGAGTGGCGTAATACAGAAATTTCTGAAGGAATGGGTTTGCCATTTTCATGTTGATGAGAGTTCTGTGGC  
 TGGGAAGAGAGTCAACAGTAACGAAACAGTCTCGCCATCTTCATTGTCTTCGCTGTGAGAACTGCTGGG  
 CTAAGGCCGAAACTGGACCCGTCATATTTGGCCACAGCAAACATCACAGAACAGGGTTACTCTGAGA  
 ATTCGCTGTCCAGAGAACTCACACGTGAGTCTGCTTGAATGCTGATAGTTGCCAGATGCCAAAACCTCCA  
 CTGCCACCGTTCCACCACCCCTTTGCCACCAAAGAAATACTCTACAACAGTGTGCCAGGTTAGAGAGA  
 GCTGGATTTATACCTGACGTGAGGCTTCCCGAGGCATTTAACACTAATTTCTCCAGTCTTCCAAAACACA  
 GCTTGAGTACAGCCTCAGGACCAAGTTCAGAAGGGAGTGGTACATGACCCAGGAAAAAGATAAAGAAAC  
 CATTCAAGTGAAGCACCAGGCTGCCAACAGCTGCCATCTAGTTGTTCAACTGGTGGTTTTTCAGGCAAAC  
 TCAAAAGCACTCGTCAATATGTTTTGCGAGCCAGATCAAGACTCTAGGTCTATGTGTCCAGTGAACAG  
 TTTCTGTTAACTACCTATTTCTCAGTTGATGTTGCATGACTGATACGTACAGATTGAAGTACCATCAAAG  
 ACCCAAGCTCTGTTTTCCGGAGAGCAGTGGCCATTGTAGTGATAAGTCACTGTCTCAGACTGAGCAGGTA  
 GAGGGATCTATTACA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MIuI

**ACCN:** NM\_001106468

**Insert Size:** 2118 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="#">NM_001106468.1</a></u> , <u><a href="#">NP_001099938.1</a></u>
<b>RefSeq Size:</b>	6111 bp
<b>RefSeq ORF:</b>	2118 bp
<b>Locus ID:</b>	295425
<b>Cytogenetics:</b>	2q42