

## Product datasheet for **RR213454**

### Unc93b1 (NM\_001108513) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Unc93b1 (NM_001108513) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Unc93b1
Synonyms:	Unc93b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR213454 representing NM\_001108513  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGGAAGTCCCAACCTGCTGGTGGTGCCAGAACAGCAAGCCCTTGGTCTGGATCTGGTCATGGAGG  
 TGGAGCCTCCGCTTACCTGTGGCCGGTGTGCGGGTCTCAAGGGGATGAAGACCGGCTCGGAGTTCA  
 TGATGGGCCAGAGGCTCCCTGGACGAACCTCGTGGGCGGTACCCCAACTACAATGAGGAGGAGGAGGAG  
 CGTCGCTACTACCGACGCAAGCGTCTCGGAGTGGTCAAGAACGTGCTGGCGGCCAGCACGGGTGGCACGC  
 TCACCTACGGCGTCTACCTGGCCCTCTGCAGATGCAACTGATCTGCACTATGATGAGACCTACAGGGA  
 GGTGAAGTATGGCAACATGGCCCTGCCGACATCGATAGCAAGATGCTGATGGGTATCAACGTGACGCC  
 ATCGTGCCCTGCTCTACACACCTGTGCTCATCAGACCTAAGTACTAATGTCCCTTCTGCTCTACCAACTACTG  
 GGAACGCTACTACAGCTGGTACCTCTGCTGTGGCTCTGGGCATGGCCATTGTGCCCTCTGGGCCCTCC  
 ATGGGGAACTATATCACCAGGATGTCCCAGAACTACTACGAATATCCCCTACAAGGAGCAAGACGAGC  
 AGGGCCCTCAGCAGCGCCACCACGAGGCTCCCACGCCCTATCTCTGGTTTTCCAGGCCATCTTCTA  
 TAGTTTCTTCCACTTGAGCTTGGCTGTGCCAGCTGCCCATGGTTTACTTCTCAACCACTACCTGTAT  
 GACCTGAACCACACACTGTTCAACGTGAAGAGCTGCGGCACTAAGAGCTATGGCATCCTGAATGGCTTCA  
 ACAAGACGGTTCTTCGGACGCTGCCCGCAGCAGAAATCTTATTGTTGTAGAGAGCGTGCATGGCGGT  
 GGCCTTCTGGCCATGCTGCTGGTCTAGGCTGTGTGGAGCCGTTACCGGCCACGGAAGAGATCGAC  
 CTGGCAGCGTGGGCTGGGTAACATCTCCAGCTGCCCTCAAACACGTGCGTGACTTTCGCTTACGCC  
 ATCTGGTGCCCTCTTTATCTACAGTGGCTTGGAGTGGTCTTTGCTGCACTGGTTTACCCCTGGGTA  
 CGGCGTGTGCTCCATGGGGCTGGAGCGGCTTGGTACCTGCTCATAGCTTACAGCCTGGGTGCTCAGCT  
 GCCTCGGTCTGGGGCTGCTGGGACTGTGGCTCCCTCGCTCTGTGCCCTCGTGGCTGGGCAGGACTGC  
 ACCTGCTGCTCACCTTAGCCTCTTTTTCTGGGCTCCAGCACCTCGGGTCTCCAGCACAGTTGGATCTT  
 TTACTTCTGGTGTCTCTGGGGTGTGGGCACTGCCCTCAACAAGACCGGACTTAGCACACTCTGGGC  
 ATCCTATATGAAGACAAAGAGAGGAGGACTTCACTTACCATCTATCACTGGTGGCAGGCCGTGGCCA  
 TCTTCTGTGTACCTGGGCTCCAGCTTGGCCATGAAGGCCAAGCTGGCAGTGTGCTGGTACCCTGGT  
 AGCAGCAGCAACTTCATACCTGTGGATGGAAAACAAGTGCAGCAGGACTGGTCCCCGACAGCCGCGC  
 ATTCGGAAGCCACAGCACAAAGTCCGCGGCTACCCTACCTGGAGGAGGACAACCTCAGATGAGAGCGACG  
 TAGAGGGCGAGCAGGGTACAGGGGACTGCGCAGAGGAGGAAGCGCCACAGGCAGGCCCCCTGGGTGACAG  
 GCCAGCCGGCCCCCTGCCGAGGCCCTGTCCCTATGAACAGGCTCTGGGTGGTGGTCTGAGGAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR213454 representing NM\_001108513  
 Red=Cloning site Green=Tags(s)

MKEVPTCWWCPEQQALGLDLVMEVEPPLYPVAGVAGPQGDEDRLVGHDGPEAPLDELVGAYPNYNEEEEE  
 RRYRRKRLGVVKNVLAASTGGTLTYGVYLLQMLILHYDETYREVKYGNMGLPDIDSKMLMGINVT  
 IAALLYTPVLIIRPKVLSLPLYRFFGTKMMFLAVGIYALFVSTNYWERYTLPVSAVALGMAIVPLWAS  
 MGNYITRMSQKYYEYSHYKEQDEQGPQQRPPRGSHAPYLLVFQAIIFYSFHLSFACAQLPMVYFLNHLY  
 DLNHTLFNVKSCGTKSYGILNGFNKTVLRTLPRSRNLIVVESVLMMAVFLAMLLVLGLCGAAYRPTTEID  
 LRSVWGNIQFLPFKHVRDFRLRHLVPPFIYSGFEVLFACTGFTLGYGVCSMGLERLAYLLIAYS LGASA  
 ASVLGLLGLWLPVRSVPLVAGAGLHLLLTLSLFFWAPAPRVLQHSWIFYVAALWGVGSALNKTGLSTLLG  
 ILYEDKERQDFIFTIYHWWQAVAFVVYLGSSLPMAKLAVALLVTLVAAATSYLWMENKLLQGLVPRQPR  
 IPKQHKVIRGYRYLEEDNSDESVEGEQGGDCAEEEPQAGPLGAEPAGPCRRPCPYEQALGGDGPPEEQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001108513

ORF Size: 1890 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:

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\\_001108513.1](#), [NP\\_001101983.1](#)

RefSeq Size: 2270 bp

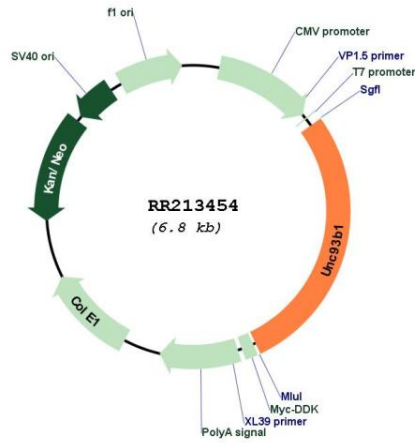
RefSeq ORF: 1893 bp

Locus ID: 361689

Cytogenetics: 1q43

MW: 70.8 kDa

Product images:



Circular map for RR213454