

## Product datasheet for **RR212957**

### Sec23b (NM\_001108593) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sec23b (NM_001108593) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sec23b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR212957 representing NM\_001108593  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAACATATCTGGAATTCATTTCAGCAGAATGAAGAACGAGATGGTGTGCGTTTCAGTTGGAATGTGT  
 GGCTTCTAGCCGACTTGAAGCCACAAGAATGGTTGTTCCCTTGCTTGTCTCCTCACTCCTTTAAAGA  
 GCGCCAGACTTACCTCCTGTACAGTATGAACCTGTGCTTTCAGTAGGCCTACCTGCAAAGCTATTCTC  
 AATCCACTTTGTCAAGTTGATTACCGAGCAAACTTTGGGCTGCAATTTCTGTTTTCAAAGAAATCAGT  
 TCCCCCAGCATATGCAGGCATTTCTGAGGTGAACCAGCCTGCTGAATTGATGCCCCAGTTCTCCACAAT  
 CGAGTACATGATCCAGAGAGGTGCTCGGTCCCCTCTGATCTTTCTCTATGTGGTTGACACGTGTTTGAA  
 GAAGATGACCTTCAAGCACTCAAAGAGTCGCTGCAGATGTCTCTGAGTCTCCTTCTCCAGATGCCCTGG  
 TTGGTCTTATCACTTTTGGGAGGATGGTGCAGGTTTCATGAGCTAAGCTGTGAAGGAATCTCCAAGAGCTA  
 TGTCTTCCGAGGACCAAGGATTTAACTGCAAAGCAAATACAGGAGATGCTGGGCTGACCAAGTACAGT  
 ATGCCTGTGCAGCAAGTCAAGCTGGTCAACCTCAGGAGCAGTCTGCTGTTTCCAGCAGATTTCTACAGC  
 CCGTTCACAAGATTGACATGAACCTCACAGATCTTCTTGGGGAGCTGCAGAGGGACCCATGGCCCGTAAC  
 TCAGGGGAAGAGACCACTGAGATCCACTGGTGTGCTTTGTCCATTGCTGTTGGCTTGTGGAGGGTACA  
 TTCCCAAATACTGGAGCCAGGATCATGTGTTCACTGGTGGGCCCCGACCCAAGGACCTGGCATGGTGG  
 TTGGAGATGAATTGAAGACTCCTATTCGTTCTGGCAGCATATTGAGAAAAGATAATGCACGGTTCATGAA  
 AAAGGCAACCAAGCATTATGAGATGCTTGCTAATCGAAGTGTACAAATGGTCACTGCATTGATATTTAT  
 GCTTGTGCCCTTGATCAAACCTGGACTTCTGGAGATGAAGTGTGTTCAAACTTTACAGGAGGCCTCATGG  
 TGATGGGAGACTCATTCAACACCTCTCTTCAAGCAGACCTTCCAAGGATTTTAGTAAGACTTCAA  
 CGGAGATTTCAGAATGGGTTTGGTGTACCCTGGAAAGTCAAGACCTCTCGGGAAGTGAAGATTGCAGGT  
 GCCATTGGTCCATGTGTCTCTGAATGTGAAAGGACCATGTGTGTCAGAAAATTTGGGCAGATGCACAG  
 AGTCAGCTGAGGCACATAGAAGCAGCGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR212957 representing NM\_001108593  
 Red=Cloning site Green=Tags(s)

MATYLEFIQQNEERDGVRFSWNVWPSSRLEATRMVPLACLITPLKERPDLPVQYEPVLCRPTCKAIL  
 NPLCQVDYRAKLWACNFCFQRNQFPAYAGISEVNQPAELMPQFSTIEYMIQRGARSPLIFLYVVDTCLE  
 EDDLQALKESLQMSLSLLPPDALVGLITFGRMVQVHELSCGISKSYVFRGKDLTAKQIQEMLGLTKSA  
 MPVQVVRPGQPQEQSAVSSRFLQPVHKIDMNLTDLLGELQRDPWPVTQGRPLRSTGVALSIAVGLLEGT  
 FPNTGARIMLFTGGPPTQPGMVVGDDELKTPIRSWHDIEKDNARFMKKATKHYEMLANRTATNGHCIDIY  
 ACALDQTLGLEMCCPNLTGGLMVMGDSFNTSLFKQTFQRIFSKDFNGDFRMAFGATLEVKTSRELKIAG  
 AIGPCVSLNVKGPCVSENLRCTESAEHRSSV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001108593

ORF Size: 1359 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\\_001108593.1](#), [NP\\_001102063.1](#)

RefSeq Size: 2702 bp

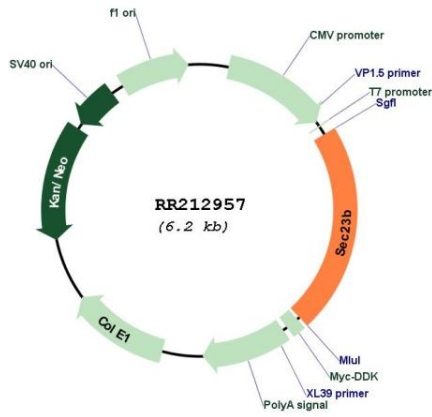
RefSeq ORF: 1362 bp

Locus ID: 362226

Cytogenetics: 3q41

MW: 50.4 kDa

Product images:



Circular map for RR212957