

## Product datasheet for **RR217189**

### Sec23b (NM\_001277235) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sec23b (NM_001277235) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sec23b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RR217189 representing NM\_001277235  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAACATATCTGGAATTCATTTCAGCAGAATGAAGAACGAGATGGTGTGCGTTTCAGTTGGAATGTGT  
 GGCTTCTAGCCGACTTGAAGCCACAAGAATGGTTGTTCCCTTGCTTGTCTCCTCACTCCTTTAAAGA  
 GCGCCAGACTTACCTCCTGTACAGTATGAACCTGTGCTTTCAGTAGGCCTACCTGCAAAGCTATTCTC  
 AATCCACTTTGTCAAGTTGATTACCGAGCAAACTTTGGGCTGCAATTTCTGTTTTCAAAGAAATCAGT  
 TCCCCCAGCATATGCAGGCATTTCTGAGGTGAACCAGCCTGCTGAATTGATGCCCCAGTTCTCCACAAT  
 CGAGTACATGATCCAGAGAGGTGCTCGTCCCCTCTGATCTTTCTCTATGTGGTTGACACGTGTTTGAA  
 GAAGATGACCTTCAAGCACTCAAAGAGTCGCTGCAGATGTCTCTGAGTCTCCTTCTCCAGATGCCCTGG  
 TTGGTCTTATCACTTTTGGGAGGATGGTGCAGGTTTCATGAGCTAAGCTGTGAAGGAATCTCCAAGAGCTA  
 TGTCTTCCGAGGGACCAAGGATTTAACTGCAAAGCAAATACAGGAGATGCTGGGCTGACCAAGTCAGCT  
 ATGCCTGTGCAGCAAGTCAGACCTGGTCAACCTCAGGAGCAGTCTGCTGTTTCCAGCAGATTTCTACAGC  
 CCGTTCACAAGATTGACATGAACCTCACAGATCTTCTTGGGGAGCTGCAGAGGGACCCATGGCCCGTAAC  
 TCAGGGGAAGAGACCACTGAGATCCACTGGTGTGCTTTGTCCATTGCTGTTGGCTTGTGGAGGGTACA  
 TTCCCAAATACTGGAGCCAGGATCATGTGTTCACTGGTGGGCCCCGACCCAAGGACCTGGCATGGTGG  
 TTGGAGATGAATTGAAGACTCCTATTGTTCTGGCACGATATTGAGAAAAGATAATGCACGGTTCATGAA  
 AAAGGCAACCAAGCATTATGAGATGCTTGTCTAATCGAAGTGTACAAATGGTCACTGCATTGATATTTAT  
 GCTTGTGCCCTTGATCAAACCTGGACTTCTGGAGATGAAGTGTGCTTCCAAATCTTACAGGAGGCCTCATGG  
 TGATGGGAGACTCATTCAACACCTCTCTTCAAGCAGACCTTCCAAAGGATTTTTAGTAAAGACTTCAA  
 CGGAGATTTCAGAATGGCGTTTGGTGTCTACCCTGGAAAGTCAAGACCTCTCGGGAACCTGAAGATTGCAGGT  
 GCCATTGGTCCATGTGTCTCTGAATGTGAAAGGACCATGTGTGTGCAAAAATGAGCTCGGCGTTGGTG  
 GCACAAGTCAGTGAAGATCTGTGGCCTGGATCCTTCGTCTACTCTTGGCATCTACTTTGAAGTTGTCAA  
 TCAGCACAAATGCCCGATTCCCCAGGGAGGAGGAGGATCCAGTTTGTCACTCAGTATCAGCATTCC  
 AGCACTCAGAAGCGCATCCGAGTGACCACCTTGGCCGCAATTGGGCAGATGCACAGAGTCAGCTGAGGC  
 ACATAGAAGCAGCGTTTGACCAGGAGGCTGCAGCAGTCTTGTATGGCACGGCTTGGAGTGTCCGGGCAGA  
 GTCAGAGGAGGGCCTGACGTGCTCCGGTGGCTGGATCGACAACCTCATCAGACTGTGTGCAAGTTTGA  
 CAGTATAACAAAGAAGACCCACGTCTTTCAGGCTGTCAGACTCCTTTTCTGTATCCTCAGTTTATGT  
 TCCATCTGAGGAGATCTCCGTTTCTTCAAGTGTAAACAACAGTCTGACGAGTGTCTATTATAGACA  
 CCATTTTGCCCGCAGGATCTGACTCAGTCCCTCATCATGATCCAGCCATTCTCTACTCTTACTCCTTC  
 CACGGACCCCGAGAGCCTGTACTCCTGGACAGCAGTAGCATTCTAGCTGACAGAATTCTGCTGATGGATA  
 CTTTCTTCCAAATTGTCATTTACCTTGGTGTGAGACCATAGCCAGTGGCGGAAAGCTGGCTACCAGGACAT  
 GCCTGAGTATGAGAACTCAAGCACCTTCTGCAGGCACCCTGGATGATGCCCAAGAAATCTGCAAGCA  
 CGCTTCCCAATGCCACGATATATCAACACAGAGCACGGTGGCAGTCAGGCTCGATTCTGTTGTCTAAAG  
 TTAATCCTTCTCAGACACACAATAACCTGTATGCTTGGGACAGGAACTGGAGCGCCCATCCTGACAGA  
 CGATGTCAGCCTGCAGGTGTTTCATGGATCATTTGAAGAAGCTGGCTGTGTCCAGTGCCTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR217189 representing NM\_001277235  
 Red=Cloning site Green=Tags(s)

MATYLEFIQQNEERDGVRFSWNVWVSSRLEATRMVVPLACLLTPLKERPDLPVQYEPVLCRSPTCKAIL  
 NPLCQVDYRAKLWACNFCFQRNQFPAYAGISEVNQPAELMPQFSTIEYMIQRGARSPLIFLYVVDTCLE  
 EDDLQALKESLQMSLSLLPPDALVGLITFGRMVQVHELSCGEGISKSYVFRGTDLAKQIQEMLGLTKSA  
 MPVQVVRPGQPQEQSAVSSRFLQPVHKIDMNLTDLLGELQRDPWPVTQGKRPLRSTGVALSIAVGLLEGT  
 FPNTGARIMLFTGGPPTQGPVMVVGDELKTPIRSWHDIEKDNARFMKKATKHYEMLANRTATNGHCIDIY  
 ACALDQTGLLEMCCPNLTGGLMVMGDSFNTSLFKQTFQRFKDFNGDFRMAFGATLEVKTSRELKIAG  
 AIGPCVSLNVKGPCVSENELGVGGTSQWKICGLDPSSTLGIYFEVVNQHNAPIQGGRGAIQFVTQYQHS  
 STQKRIRVTTIARNWADAQSQLRHIEAAFDQEAALVLMARLGVFRAESEEGPDVLRWLDRLIRLCKKFG  
 QYNKEDPTSFRLSDSFSLYPQFMFHLRRSPFLQVFNNSPDESSYRHHFARQDLTQSLIMIPIILYSYSF  
 HGPPPEVLLDSSSILADRILLMDTFFQIVIYLGETIAQWRKAGYQDMPEYENFKHLLQAPLDDAQEILQA  
 RFPMPRYINTEHGGSQARFLLSKVNPSTHNNLYAWGQETGAPILTDVSLQVFMHLLKLAVSSAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001277235

**ORF Size:** 2301 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\\_001277235.1](#), [NP\\_001264164.1](#)

**RefSeq Size:** 2758 bp

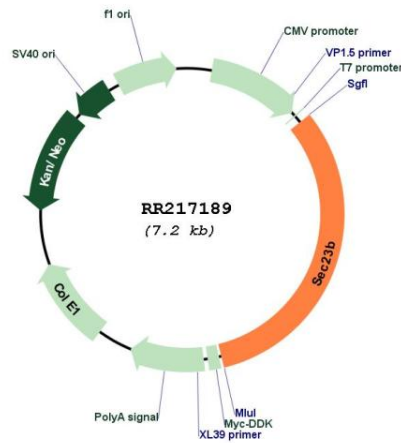
**RefSeq ORF:** 2304 bp

**Locus ID:** 362226

**Cytogenetics:** 3q41

**MW:** 86.4 kDa

**Product images:**



Circular map for RR217189