

## Product datasheet for **RN215085**

### Sec24b (NM\_001106474) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sec24b (NM_001106474) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sec24b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN215085 representing NM_001106474 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCGGCCCCCGCGGGTCCCCTACCCGGCCGCGGCGCCGGATGCCGCCAAGCTCGGCGGAGCAG  
TCTCTGGCCTGGCGCCGCCGAGCAGAATGGTCCAGCACAGAGTCAAATGCAAGTCCATCTGGGTATGG  
GCTGCCTCATCAAACATATATGGCCCCCTCAGGACACTACTCTCAAGGACCTGGGAAAATGACCTCCTTG  
CGTTGGATAACCAAGTGTGAGAATTAATACTCTCGTCCATATACAGCACCAACACAGAATGTGGGACTC  
CCAGCTCAGCAAACCAACCAAGGAGCACAGCTCATGTATGGCAGAGGTCCTTCTGCCCTCACATGGGGC  
ATCCATGCCAGGACCTTCCAAGGAGCTCCAGCATCGGGTCCCATTCGTACCCGAGTGCCTCCCAGCCC  
TATTCCTCTCTTGGAAACCGCTACAGTAGTCTGCCACATACTCCGCCACCGTCTCTGTTGCTTCTCAGG  
GATACCCCTCCACTTGTAGTCAATATCCCATCTCCACTGTGTCTAATGTCGTGTATCCTAACGTTTCATA  
CCCCTCGCTGCCTGCCAGTGAGCCGTATGGGCAGATGTTACCTCACAGAGTGCTCCTCCGCTGCCAGG  
CCACTTAAAGAGTCATACTCTGGCCCAAGCACAGCTGTTGCCTACCCATCGAGACCTCCGCTCCACCTT  
CCCAGCACGAGC  
ACCATGGTCAGGTCCAGGCTTCCACCAGCCAAAGACAGTCTCATCCGAAACAAATGGGATCCTTGGCT  
ATACCGAACAGCCACCCAGCAATTAACGAAAATGTCCAACCACCTAAGCCAGCTCCGATAGGCCACAG  
TTTTGCCAGGACCTCATCAACAAGATGCCACCTGCCCAAGTCACCCAGTTGGGCTGTGCCGTCTGC  
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TCCACACCAACTCCCTTGTATCAGCTTCCGATGATGAGGAAGAGGAGGATGAGGATGAGGAAGCAGGTG  
TTGACAGCTCTTACCACAAGCAGCGCTTCGCCCTTGCCCAACAGTTATGATGCCTTGGAAAGGAGGAAG  
CTACCCAGATATGCATTCTTCTCAGCAAGCAGCCCCGTTCTGATCGTGCCCGGAACCTAACTCCACC  
CTCGTCCCACCTCCCAGTGTCTCAGCAGCCAAAGGTAGCAAAGCTTTTGGCTATGGTACCCAACGC  
TGCAGCTGTTATCAGAATGCAGCAGCACCCACCACAGCCACCCAGCGGGCCAGCTATTCTGG  
ATATCCTCAGCAGTATCCAGGTGTGCACCAACTGTCTCAGGTCTGGGAGGGCTAAGCCTGCAGAGCTCT  
CCACAGCCAGAAAGCCTACGGCTGTGAACCTACCCAGGAGAAGAATCTTACCTGCAACTCCCATT  
GGGCACCTGTACCTAACCTGAGTGCAGAGCTCAGCAAGTTAAACTGTAGCCAGACTCGTTTCGATGTAC  
CTTGACCAGTATCCCACAGACACAGGCTTACTGAATAAAGCTAAGCTTCCCTTGGGACTGCTGCTGCAC



CCCTTCAGAGACCTGACGCAATTGCCAGTGATAACCTCCAACACCATTGTGAGGTGCCGGTCTGTGCGGA  
CGTACATCAACCCCTTTTGTGTCCTTCATCGATCAGCGCAGGTGGAAATGCAACCTGTGCTACAGAGTGAA  
TGATGTTCCAGAAGAGTTTTTGTACAACCCCTGACTCGGTCTTACGGAGAGCCTCATAAACGGCCGGAA  
GTTCAGAATCAACTGTGGAGTTCATCGCTTCCCTCAGACTACATGCTCCGGCCTCCTCAGCCTGCAGTCT  
ACTTGTGTTTTAGATGTGTCTATAACGCAGTGAAGCTGGTACTTGACAGTTCTATGCCAGTCCTT  
ATTAGAAAATTAGACAAGCTTCCCTGGAGACTCACGAACAAGAATAGGATTCATGACTTTCGACAGCACT  
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TTTTCTTGCCACACCGGATAGTCTGCTTGTGAATCTGTATGAAAGTAAAGAGCTTATAAAAAGACTTACT  
GAACGCATTACCAAATATGTTTCATCAATACCAGAGAAAACGCACAGTGCTCTTGGACCTGCACTTCAGGCT  
GCCTTCAAATAATGTCTCCACGGGGGACGAGTGTCTGTGTTTCAGACACAGTTACCTTCCTTGGGGG  
CAGGACTTCTGCAGTCCAGAGAAGATCCGAATCAGAGGTCGAGCACCAAGGTGGTGCACCATCTCGGCC  
TGCCACCGACTTTTATAAGAACTTGCTTTAGATTGCTCAGGACAGCAGACCGCAGTGGATTTGTCCTG  
CTAAGTTCACAGTATTCTGACCTCGTCTCTGGCCTGCATGTCCAAGTACTCCGACGGGTGCATATTCT  
ACTACCATCGTCCACTCCACCACAACCTTCGCAAGCAGAGAAGTTACAGAAAGACCTAAAACGGTA  
CCTCACCAGGAAGATCGGATTTGAAGCTGTTATGAGGATAAGATGTACCAAGGACTTTTCGATGCACACT  
TTCCACGGGAACCTCTTTGTCCGGTCCACTGACTTGCTGTCTCTTGCCAACATCAATCCTGATGCTGGGT  
TTGCAGTGCAGTTGTCAATTGAGGAAAGCTGGCGGACACTTCCCTGGTGTGCTTCCAGACTGCCCTGCT  
GTACACATCAAGCAAAGGTGAGCGGAGAATTCAGTTCACACACTGTGCTTGCCAGTGGTGGAGTTCAGT  
GCTGATGTTTATGCAGGAGTGGATGTGCAAGCTGCCATCTGCCTTCTGGCCAACATGGCTGTGGACCGCT  
CAGTGTCCATCCAGCCTGTCCGATGCCAGGGACGCCCTGGTGAATGCCGTGGTGGATCCCTGTCTGCCTA  
CAGCTCTGCAGTGTGAGTGTGCCCCGCTCCACCCTGACAGCACCGAGCTCACTGAAGTGTCTCCCTCTC  
TATGTTCTGGCACTTCTCAAACAGAAAGCATTTAGAACAGGTACAAGCACGCGCCTGGACGACCCGTGTG  
ACGCCATGTGCCAGATGAAGTCGCAGCCACTTGTGCATTAATGAAAATGATTCACTCCCACTTGTACAG  
GATAGACCGGCTGACGGATGAGGGTGCCATACATGTCAACGACAGGGTAGTACCCAGCCACCTCTTCAA  
AAACTGTCTGCAGAGAACTGACCAGAGAAGGTGCTTTCCTCATGGACTGTGGCTCAGTTTTCTACATTT  
GGATTGGCAAAGGCTGTGACAGTAATTTATAGAGAATGTGCTTGGGTATCCTGATTTTGGATCAATACC  
ACAGAAAATGACACATCTCCAGAGCTAGACACACTTCCGTGAGAGAGAACTAGATCCTTTGTAACCTGG  
CTCAGAGACAGCCGACCTAAGCCCTGTCTTACGTGGTAAAAGATGAGAGTCTGCCAGAACAGACT  
TTTTCCAGCATTTGGTGGAGACCCGACCGAAGCCGCACTCTCTACTATGAGTTTCTGATTCACGTTCA  
GCAGCAGGTTTGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001106474

**Insert Size:**

3729 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).

**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\\_001106474.1](#), [NP\\_001099944.1](#)

**RefSeq Size:** 5001 bp

**RefSeq ORF:** 3729 bp

**Locus ID:** 295461

**Cytogenetics:** 2q42