

## Product datasheet for RN213829

### Sec31b (NM\_001135713) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sec31b (NM_001135713) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sec31b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN213829 representing NM_001135713 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGTTGAAGGAGCTTGAGAAGCCAGCTGTCCAAGCATGGAGCCCAGCGAAGCAGTACCCTGTGTATC  
TGGCCACAGGAACATCCGCCAGCAACTAGATGCCTCCTCAGCACAAATGCCACCCTGGAAATATTTGA  
GGTTGATTTACAGGGACCTTCTCTGGACTTGAACGCAAAGGAATCCTCTCTGTGTCAAGCAGGTTTCAC  
AAGCTAATCTGGGAAGCTCCAGCAGTGGGCTTCTGGAGAACACTGGGGTTATTGCTGGTGGAGGAGACA  
GTGGCATGCTTACCCTATACAATGTGACCCACATCCTTTCTCCGGGAAGGAACCCTTGATGCCAGAA  
ACAGAAGCACACAGGAGCTGTGAGACCTTGGACTTTAATCCTTTCCAGGCAACCTCCTGGCCTCAGGA  
GCCAGTGATTCTGAAATCTTCAATTTGGGATTTGAACACCTGACTGTTCCAATGACACCTGGATCCAAGT  
CACAGAACCCCGGAAGACATTAAGCATTGTCTTGAACCGCCAAGTCCAGCACATTCTGTCTTCTGC  
TCACCCAGTGGCAAGGCAGTTGTGTGGGATCTCAGGAAGAACGAGCCCATCAAAGTCCAGCGACCAC  
AGCAGCAGGATGAACTGCTCAGGCTGGCCTGGAACCCAGACATAGCCACACAGTTAGTGTCTGTCTCAG  
AAGATGACCGGCTCCAGTGATTACGTGTGGGACCTGCGCTTCGCTTCCCTACCCCTGAAGGTGTGGGA  
GAGCCACAGCAGGGGCATCTGTGGTGTCCCTGGAGCCAGGCTGATGCTGAACTGCTGCTTAGCAGTGCC  
AAAGACAACCAGATTTTTGCTGGAATCTGTCAAGCAGTGAAGTGGTCTACAAGTACCCACACAGAGCA  
GCTGGTGTCTTACAGTTCAGTGGTGCCTCGGAACCTCCTGCGTTCTCTGCTGTCTCCTCGATGGCTG  
GATCAGTTTGTACTCTGTGATGGGTAGGAGCTGGGAAGCCAGCAGCACATGAGGCAGGCTGACAAGATT  
TCCTCTTCTTTAGCCAAGGCCAGCCTCTCCCACCACTGCAGGTGCCTGAGCAGGTGGCCCAAGCATCAC  
TAATTCCTCCCTTGAAGAAGCCTCCCAAGTGGATGAGAAGGCCGGCAGGCGTTTCATTGCTTTTGGGGG  
AAAGCTGGTTACCTTTGGCCTTCCCAGCATCCCTGTCCAGCAGGTGCCACAGCCTTGTCCCGCCCTGTC  
TTCATCAGTCAAGTCATCACAGAGTCAGAATCCTGACTCGGTCAGTTGTGCTGCAGGAGGCCTTGGGAT  
CTGGAAATCTCCTTAATTATTGTGAGCAAGATTCAGCAAGCTTACCGCCAAGTGAGAAGACGCTCTG  
GCAGTTTCTGAAGGTGACCTTGGAGCATGATCCAGACTGAAGTTCCTCAGGCTGTTAGGTTACAGCAGA  
GATGAATTCAGAAGAAGGTGGACACATGCCTGAAGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA  
AGGCAGTTGACCTCAAAGTGAAGGACAGCACACCCCTTTCAGCCAGGCTCCAGACACACTGCCAAGGA



View online »

AGCCTCTGCATCCTCAGCCTTCTTTGATGAGCTGATACCTCAGAACATGACTCCCTGGGAGATCCCCACC  
 ACAGAAGACACTGATGGGCTCCTGAGCCAGGCCCTGCTGCTCGGGGAAGTGCAGTCTGCTGTGGAGCTCT  
 GTCTGAAAGAGGAACGCTTTGCTGACGCCATCATCCTGGCTCAGGCTGGGACGCAGAGCTACTCAAGTG  
 GACACAAGAACGATACCTAGCCAAGAGGAGAACCAAACTCCTCGTTCTAGCCTGTGTCTAAAGAAG  
 AATTGGAAGGACCTAGTATGTGCCTGTAGCCTGAAGAAGTGGAGAGAGGCGCTGGCCTTGTCTGACGT  
 ATTCAGGGCCAGAGAAGTCCCTGAGCTCTGTGACATGCTGGGAGCTCGCATGGAGCAGAGGGAGGCAG  
 GGAGCTCACCTCTGAAGCCAGGCTGTGCTATGTGTGCTCAGGGAGTGTGGAGCGCTGGTAGAGAGCTGG  
 GCAGACTCCAGCAAGCCTCGAGCCCCGTGGCTCTGCAGGAGCTAATGGAGCAGGTGACGGTCTCAGCA  
 GGAGCCTGGAGCTCCTCCAGGGTCTCACAAAGATGAGCCAGGTCTGCCACAACACACAGTTTACCCCA  
 GTATGCCAGTCTCCTGGCAGCCAGGGCAGCCTGGCCATTGCCATGAGTGTCTACCCAGTGACTGTACC  
 CAGCCCGCAGTCTGCAGCTGAAAGATCGGCTTTTCCATGCCAAGGTTCTACCGTCTTGGGCCGACAGG  
 CTCCTGCTTTCCCGTTTCCCGCGTTGCTGTAGGAGCTGCTCTCCACCAAAAGAGACATCATCACACAG  
 AATGGGATTCCAGCCTCCTCGCCAGTCCAGCTCCATCTGTGAGGCCGAGGGCCGAGCTCAGCCGTCA  
 GTGATGCCTTTCCCTCCCCTCCCATCCCCTCTGTGGGCTCGTGGACACAGTCTCAAGTGACTACA  
 GGGTCCCCAAACCCAAGCAACCTTGCCTGTGCATTTCTGTCCTGGAGTAAAGCCTGCTTCTCTCAGCC  
 ACAGCCATTCCGAGGACAAAGTGTCCAAGCTATAAACCTGTTGGATTCTGTGGAACATGGCCTCTTCTCT  
 GGTCTACTCCAGTCATGGCACCCCCAGATGTCATGCAGCCTGGCTTACCCACCTGCCTGAAACTCCTA  
 GACTGCTCCCTCTGCCTCCTGTGGGACCACCAGGTCCCACCCCTCTGAGCTCCCAACTGCAGCCTCTCC  
 TGTCACTTTCTCTGTGGCTCACCTCCTGGCGCCCTGGAGCACCACGCTCTAGTGCCCTCCCGAGCTCT  
 GGCATCTTGGCCACTCGTCCAGGACCCAGGATACCTGGAAGTTGCTCCAGCCTCCAGGAAAACCTCC  
 AAAGGAAAAAGTTGCCTGAGACATTTATGCCTCCAGCACCAATAATTACAGCTCCACTTATGAGCCTTGG  
 CCCTGAGCCACAACAGGCCCTGCTGCCACAGTCCCTAGTCTCCGGTGCAAGCCTGCCTCCTCTGGAGCC  
 CCGAGAGAATGCAGCCTGCAGCAACTCCAGCCACTGCCCTGAGAAGACACAGAAAGAGCTGCCCCAG  
 AGCATCAGTGCCTGAAGGACAGCTTTGAGGCGCTCCTTACGCGCTGTTCCCTGACCGCCACTGACCTAAA  
 AACAAAAAGGAAGCTGGATGAGGAGCCACCCTAGAAATGTCTATACGAGAAGCTGTGCGAGGGGACA  
 CTCTACCCCATGCTCCTGGCTGGCTCCATGAAGTCGCCCGCTGTGTGGATGCAGGAAGCTTTGAACAGG  
 GCCTTGACAGTGCATGCCAGGTAGTGAGCTGCAGCAGTTCAGCGAGGTATCCAGCTTCTGCTGTCTCT  
 GAAGGCTGTCTCACCATCGCGCACAGCTGCAGGGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001135713
- Insert Size:** 3540 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\\_001135713.1](#), [NP\\_001129185.1](#)

**RefSeq Size:** 3625 bp

**RefSeq ORF:** 3540 bp

**Locus ID:** 309433

**Cytogenetics:** 1q54