

## Product datasheet for **MC203681**

### Sec23b (NM\_019787) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sec23b (NM_019787) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sec23b
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC005464  
 GGC CGG AAG GCT CAG TCC CGG T GAG TGG CTCC GAA CAG TTT CCT TTT AG ACC ATGG CAAC GTAT CTG GA  
 ATTC ATTC AGC AGA ATGA AGA AC GAG ATGG TGT GCG TTT CAG TTG GAAC GTGTGG CCTTCTAG CCG CCTT  
 GAAG CCA CAAGA ATGG TTGTG GCC TTGG CTTGTCT CCTACT CCTTTAAA AGAAC GCCCAG ACTTAC CTC  
 CTGTAC AGTATG AACCTGTG CTTTGCAG TAGGCCTAC TGC AAAGCTATTCTCAATCCACTTTGTCAAGT  
 GGATACCGAGCAAAA CTCTGGGCCTGCAATTTCTGTTTTCAAAGAAA TCAGTTCCTCCAGCATATGCA  
 GGCATATCTGAGGTGAATCAACCTGCTGAATTGATGCC CAGTTCTCCACAATTGAGTACATGATCCAGA  
 GAGGTGCTCGGTCTCCTCTGATCTTTCTCTATGTGGTTGACACGTGTTTGGAGGAAGATGACCTTCAAGC  
 ACTCAAAGAGTCCCTGCAGATGTCTCTGAGTCTCCTTCTCCAGATGCCCTGGTTGGTCTCATCACTTTT  
 GGGAGGATGGTGCAGGTTACGAGCTAAGCTGTGAAGGAATCTCCAAGAGCTATGTCTTCCGAGGGACCA  
 AGGATTTAACTGCAAAGCAAATACAGGAGATGCTGGGCCTGACCAAGTCAGCCATGCCTGTGCAGCAAGC  
 CAGACCTGCTCAACCTCAGGAGCAGCCTTTTGTTCAGCAGATTTCTACAGCCATTACAAAGATTGAC  
 ATGAACCTCACAGATCTTCTCGGGAGCTGCAGAGGGACCCATGGCCAGTAACTCAGGGGAAGAGACCAC  
 TGGCGTCCACTGGTGTGCTTTGTCCATTGCTGTGGCTTGTGGAGGGACTTTCCAAATACTGGAGC  
 CAGGATCATGCTGTTCACTGGCGGGCCCCGACCCAGGGACCTGGCATGGTGGTTGGAGATGAGTTGAAG  
 ACTCCTATTCGTTCTCGCATGACATTGAGAAAATAATGCACGATTCATGAAGAAGGCAACCAAGCATT  
 ATGAGATGCTTGCTAATCGAACTGCTACAAATGGCCACTGCATTGATATTATGCTTGTGCCCTTGACCA  
 AACTGGACTTCTGGAGATGAAGTGTGCTCAAAATCTTACAGGAGGCCACATGGTGTGGGAGATTCTTTC  
 AACACTTCTTTTTCAAGCAGACATTCCAAAGAAATTTTTAGTAAAGACTTCAACGGAGATTTTCAAGATGG  
 CGTTTGGTGCTACGTTGGATGTAAGACCTCTCGGGAAGTGAAGATTGCAGGAGCCATTGGTCCATGCGT  
 GTCTCTGAATGTGAAAGGGCCATGCGTGTGAGAAAATGAGCTTGGTGTGGTGGCACAAGTCAGTGGAAAG  
 ATCTGTGGCCTGGATCCCTCATCTACTTTGGCATCTACTTTGAAGTTGTCAATCAGCACAATGCTCCAG  
 TTCCCCAGGGAGGCAGAGGTGCCATCCAGTTTGTACACAGATCAGCATTCCAGCACTCAGAAGCGCAT  
 CCGAGTGACCACCATTTGCCCGCAATTGGGCAGATGCACAGAGTCAGCTGAGGCACATAGAAGCAGCATT  
 GACCAGGAGGCCGAGCAGTCTGATGGCACGGCTTGGAGTGTCCGCACAGAGTCAGAGGAGGGGCCTG  
 ACGTGCTTCGGTGGCTGGATCGGCAACTCATCAGACTGTGTCAGAAGTTTGGCAGTATAACAAAGAAGA  
 CCCTACGCTTTTCAAGTATTTAACACAGTCTGATGAGTCTGCTATTATAGGCACCATTTTGGCCGAGG  
 CCATTTCTTCAAGTATTTAACACAGTCTGATGAGTCTGCTATTATAGGCACCATTTTGGCCGAGG  
 ATCTGACTCAGTCCCTCATTATGATCCAGCCATTCTCTATTCTTACTCCTTCCACGACCACCAGAGCC  
 TGTACTCTGGACAGCAGTAGCATTCTAGCTGACAGAATTCTGCTGATGGATACTTTCTTCAAATTTGTC  
 ATTTACCTTGGTGGAGACCATAGCCAGTGGCGGAAGGCTGGATACCAGGACATGCCTGAGTATGAAAAT  
 TCAAGCACCTTCTCAGGCGCCCTGGATGATGCCAAGAAATCTGCAAGCACGCTTCCAATGCCACG  
 TTATATCAACACAGAGCATGGCGGCAGTCAGGCTCGGTTCTGCTGTCTAAAGTTAACCCATCTCAGACA  
 CACAATAACCTGTATGCCTGGGGCAGGAACTGGAGCGCCCATCCTGACAGACGATGTCAGCCTACAGG  
 TGTTATCGGATCACCTGAAGAAGCTGGCTGTGTCTAGTGCCTCTTAAGCTGGTGGCCCCGCTGGAAGTG  
 GAAGACAATGCTGTGAGATTGTGCTCACGTTGTTGATAGCGTCTAGCAACATTCACCTTTCGGGGAGGT  
 TCTAATAAATAACCCAAGGAATTTTATATATGATGTCTTCCAGGCTATAATACGCTTTCAGGTTGTAAT  
 TTATTTGATTCTCTCTGTCTGTTTTCTCCACATGAAATATATGTCATAAGTGTCTGCTAATTGTA  
 GATGTTTACTTACTTTTTGTACCTTAATGTTTTAGAGTCTATAAAATCAGAGGTTATGATTTTTAGCTA  
 CCTGTTTAAAGTCTTAATGATCATAAAGGAAATAAATCTGTGTGAGGACGGCATTGGCCAAAATAAAAAA AAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_019787

**Insert Size:** 2304 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC005464</a></u> , <u><a href="#">AAH05464</a></u>
<b>RefSeq Size:</b>	2743 bp
<b>RefSeq ORF:</b>	2304 bp
<b>Locus ID:</b>	27054
<b>UniProt ID:</b>	<u><a href="#">Q9D662</a></u>
<b>Cytogenetics:</b>	2 G1
<b>Gene Summary:</b>	<p>Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the endoplasmic reticulum (ER). The coat has two main functions, the physical deformation of the endoplasmic reticulum membrane into vesicles and the selection of cargo molecules for their transport to the Golgi complex.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 6. Variants 1, 2, 3, 4, 6, and 7 all encode the same isoform (1).</p>