

Product datasheet for **MC228477**

Sec23b (NM_001281816) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec23b (NM_001281816) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sec23b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC228477 representing NM_001281816
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTCTGAGTCTCCTTCTCCAGATGCCTGGTTGGTCTCATCACTTTGGGAGGATGGTGCAGGTTT
 ATGAGCTAAGCTGTGAAGGAATCTCAAGAGCTATGTCTTCCGAGGGACCAAGGATTTAACTGCAAAGCA
 AATACAGGAGATGCTGGGCTGACCAAGTCAGCCATGCCTGTGCAGCAAGCCAGACCTGCTCAACCTCAG
 GAGCAGCCTTTTGTTCAGCAGATTTCTACAGCCATTCAAGATTGACATGAACCTCACAGATCTTC
 TCGGGGAGCTGCAGAGGGACCCATGGCCAGTAAGTCAAGGGAAGAGACCTGCGGTCCACTGGTGTTC
 TTTGTCCATTGCTTGGCTTGTGGAGGGGACTTTCCAAATACTGGAGCCAGGATCATGCTGTTCACT
 GGGGGCCCCGACCAAGGACCTGGCATGGTGGTGGAGATGAGTTGAAGACTCCTATTCGTTCTGGC
 ACGACATTGAGAAAGATAACGCACGATTATGAAGAAGGCAACCAAGCATTATGAGATGCTTGTAAATCG
 AACTGCTACAAATGGCCACTGCATTGATATTTATGCTTGTGCCCTTGACCAAAGTGGACTTCTGGAGATG
 AAGTGCTGCCAAATCTTACAGGAGGCCACATGGTGATGGGAGATTCTTTCAACACTTCTTTTTCAAGC
 AGACATTTCAAAGAATTTTTAGTAAAGACTTCAACGGAGATTTCAAGATGGCGTTTGGTGTACGTTGGA
 TGTAAAGACCTCTCGGAACTGAAGATTGCAGGAGCCATTGGTCCATGCGTGTCTCTGAATGTGAAAGGG
 CCATGCGTGTGAGAAAATGAGCTTGGTGTGGTGGCACAAGTCAGTGAAGATCTGTGGCCTGGATCCCT
 CATCTACTCTGGCATCTACTTTGAAGTTGTCAATCAGCACAATGCTCCAGTTCAGGAGGAGGAGGAGG
 TGCCATCCAGTTTGTACACAGTATCAGATTCCAGCACTCAGAAGCGCATCCGAGTGACCACCATTTGCC
 CGCAATTGGGCAGATGCACAGAGTCAGCTGAGGCACATAGAAGCAGCATTGACCAGGAGGCCGAGCAG
 TCCTGATGGCACGGCTTGGAGTGTCCGCGCAGAGTCAGAGGAGGGGCTGACGTGCTTCGGTGGCTGGA
 TCGGCAACTCATCAGACTGTGTCAGAAGTTTGGGCAAGTAAACAAGAAGACCCTACGTCTTTCAGATTG
 TCAGACTCTTTCTCTGTATCCTCAGTTCATGTTCCATCTGAGAAGATCTCCATTTCTCAAGTATTTA
 ACAACAGTCTGATGAGTCTCTATTATAGACACCATTTGCCCGCAGGATCTGACTCAGTCCCTCAT
 TATGATCCAGCCATTCTATTCTTACTCCTTCCAGGACCACCAGAGCCTGACTCCTGGACAGCAGT
 AGCATTCTAGCTGACAGAATTCTGCTGATGGATACTTTCTTCAAATGTCAATTTACCTTGGTGGAGCCA
 TAGCCAGTGGCGGAAGGCTGGATACCAGGACATGCCCGAGTATGAAAACCTCAAGCACCTTCTTCAGGC
 GCCCTGGATGATGCCAAAGAAATCTGCAAGCAGCTTCCCAATGCCACGTTATATCAACACAGAGCAT
 GGGCGCAGTCAGGCTCGTTCTGTTGTCTAAAGTTAACCATCTCAGACACACAATAACCTGTATGCCT
 GGGGGCAGGAACTGGAGCGCCATCCTGACAGACGATGTCAGCCTACAGGTGTTTCATGGATCACCTGAA
 GAAGCTGGCTGTGTCTAGTGCCTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001281816
- Insert Size:** 1848 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001281816.1](#), [NP_001268745.1](#)

RefSeq Size: 2421 bp

RefSeq ORF: 1848 bp

Locus ID: 27054

Cytogenetics: 2 G1

Gene Summary: 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]
Transcript Variant: This variant (5) differs in the 5' UTR and represents use of an alternate promoter, compared to variant 1. This results in an isoform (2) with a shorter N-terminus compared to isoform 1.