

Product datasheet for **MC228894**

Sec23b (NM_001252545) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec23b (NM_001252545) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sec23b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228894 representing NM_001252545
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCAACGTATCTGGAATTCATTTCAGCAGAATGAAGAACGAGATGGTGTGCGTTTCAGTTGGAACGTGT
 GGCTTCTAGCCGCTTGAAGCCACAAGAATGGTTGTGCCCTTGCTTGTCTCCTCACTCCTTTAAAGA
 ACGCCAGACTTACCTCCTGTACAGTATGAACCTGTGCTTTCAGTAGGCCTACCTGCAAAGCTATTCTC
 AATCCACTTTGTCAAGTGGATTACCGAGCAAACTCTGGGCTGCAATTTCTGTTTTCAAAGAAATCAGT
 TCCCTCCAGCATATGCAGGCATATCTGAGGTGAATCAACCTGCTGAATTGATGCCCCAGTTCTCCACAAT
 TGAGTACATGATCCAGAGAGGTGCTCGGTCTCCTCTGATCTTTCTCTATGTGGTTGACACGTGTTTGGAG
 GAAGATGACCTTCAAGCACTCAAAGAGTCCCTGCAGATGTCTCTGAGTCTCCTTCTCCAGATGCCCTGG
 TTGGTCTCATCACTTTTGGGAGGATGGTGCAGGTTTCATGAGCTAAGCTGTGAAGGAATCTCCAAGAGCTA
 TGTCTTCCGAGGACCAAGGATTTAACTGCAAAGCAAATACAGGAGATGTGGGCTGACCAAGTACGCC
 ATGCCTGTGCAGCAAGCCAGACCTGCTCAACCTCAGGAGCAGCCTTTGTTTCCAGCAGATTTCTACAGC
 CCATTCACAAGATTGACATGAACCTCACAGATCTTCTCGGGGAGCTGCAGAGGGACCCATGGCCAGTAAAC
 TCAGGGGAAGAGACCACTGCGGTCCACTGGTGTGCTTTGTCCATTGCTGTTGGCTTGTGGAGGGGACT
 TTCCCAAATACTGGAGCCAGGATCATGTGTTCACTGGCGGGCCCCGACCCAAGGACCTGGCATGGTGG
 TTGGAGATGAGTTGAAGACTCCTATTCGTTCTGGCAGCAGATTGAGAAAAGATAACGCACGATTCATGAA
 GAAGGCAACCAAGCATTATGAGATGCTTGCTAATCGAAGTGTACAAATGGCCACTGCATTGATATTTAT
 GCTTGTGCCCTTGACCAACTGGACTTCTGGAGATGAAGTGTGTTCAAAATCTTACAGGAGGCCACATGG
 TGATGGGAGATTCTTCAACACTTCTCTTTTCAAGCAGACATTCCAAAGAATTTTTAGTAAAGACTTCAA
 CGGAGATTTTCAAGATGGCGTTTGGTGTCTACGTTGGATGTAAGACCTCTCGGGAACCTGAAGATTGCAGGA
 GCCATTGGTCCATGCGTGTCTCTGAATGTGAAAGGGCCATGCGTGTGAGAAAATGAGCTTGGTGTGGTG
 GCACAAGTCAGTGAAGATCTGTGGCCTGGATCCCTCATCTACTTGGCATCTACTTTGAAGTTGTCAA
 TCAGCACAATGCTCCAGTTCAGGAGGAGGAGGAGGATCCAGTTTGTACACAGTATCAGCATTCC
 AGCACTCAGAAGCGCATCCGAGTGACCACCTGCCCCGCAATGGGCAGATGCACAGAGTCACTGAGGC
 ACATAGAAGCAGCATTGACCAGGAGGCCGAGCAGTCTGATGGCACGGCTTGGAGTGTCCGCGCAGA
 GTCAGAGGAGGGCCTGACGTGCTTCGGTGGCTGGATCGGCAACTCATCAGACTGTGTCAGAAGTTTGGG
 CAGTATAACAAAGAAGACCTACGTCTTTCAGATTGTCAGACTCCTTTTCTGTATCCTCAGTTTATGT
 TCCATCTGAGAAGATCTCCATTTCTTCAAGTATTTAACAACAGTCTGATGAGTCTCCTATTATAGACA
 CCATTTTGCCCGCAGGATCTGACTCAGTCCCTCATTATGATCCAGCCATTCTCTATTCTTACTCCTTC
 CACGGACCACAGAGCCTGACTCCTGGACAGCAGTAGCATTCTAGCTGACAGAATTCTGCTGATGGATA
 CTTTCTTCCAAATTTGCTATTTACCTTGGTGGAGACCATAGCCCAGTGGCGGAAGGCTGGATACCAGGACAT
 GCCCGAGTATGAAAACCTCAAGCACCTTCTCAGGCGCCCTGGATGATGCCCAAGAAATTTGCAAGCA
 CGCTTCCCAATGCCACGTTATATCAACACAGAGCATGGCGGCAGTCAGGCTCGGTTCTGTTGTCTAAAG
 TTAACCATCTCAGACACACAATAACCTGTATGCCTGGGGCAGGAACTGGAGCGCCCATCTGACAGA
 CGATGTCAGCCTACAGGTGTTTCATGGATCACCTGAAGAAGCTGGCTGTGTCTAGTGCCTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001252545

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).

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:	<ol style="list-style-type: none">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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001252545.1</u> , <u>NP_001239474.1</u>
RefSeq Size:	2781 bp
RefSeq ORF:	2304 bp
Locus ID:	27054
UniProt ID:	<u>Q9D662</u>
Cytogenetics:	2 G1
Gene Summary:	<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 (4) differs in the 5' UTR compared to variant 6. Variants 1, 2, 3, 4, 6, and 7 all encode the same isoform (1).</p>