

Product datasheet for **MR211855**

Sec24b (NM_207209) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec24b (NM_207209) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sec24b
Synonyms:	AI605202; SEC24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211855 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGCCCCCGCCGGGTCCCCTCACCCGGCCGCGGCCCGGATGCCGCCAAGCTCGGCGGAGCTG
 TCTCCGGCTGGCACCCGCGCAGCAGAACGGTCCAGCACAGAGTCCAATGCAAGTTCCATCTGGGTATGG
 GCTGCCTCATCAAACACTATATGGTCCCTTCAGGACATTACTCTCAAGGACCTGGGAAATGACCTCCTTG
 CCATTGGATAGCCAGTGTGATAGTTACTACTCTCGTCCATATACAGTACCAACACAAAATTCGGGGACTC
 CCAGCTCAGCAAACCAACCAGGAGCACAGCAGATGTATGGCAGAGTCTTCCGCTCCTCATATGGGGGG
 CTCCATGCCCGGATCTTTCCAAGGAATTCAGCATCAGCATCCCATTCCCTATTCGAGTGCCTCCAGGCC
 TACTCCTCCTTGGGAATCGCTACAGTAGTCTACCACGTACTCTGCCAATGCTTCTGTTGCTTCTCAGG
 GATATCCCTCTACCTGTAGTCATTTACCATCTCAACTGTGTCTAATGTGGTGTATCCTAATGTTTCCTA
 TCCCTCGCTGCCTGCCAGTGAGCCATATGGGCAGATGTTACCTCACAGAGTGCTCCTCCACCTGCCAGG
 CCAGTTAAAGAGTCATACTCTGGCCCCAGCACAGCTCTTACCTACCCCTCGAGACCTCCACCTCCACCTT
 CTCAGCACCAGC
 TTCTCTACCATGGTCAGGTCCAGCCCTTCCACCAGCCAAAGACAGCCTCATCCGAAACCAAATGGGATCC
 TTGGCTACAGCGAACAGCCACCCAATAAATGAAAATGTCCAACCTCCCAAGTCAAGTCCGATAGTAT
 CCACAGTTTTGGCAGGACCCCTCATCAACAAGAATGCCACCTGCTCCAAGTCAACCCAGTTGGGCCTGTGCC
 CTCGCTCCACCCCCCAGAGCAGATGCAGACTAAAGGCATGCAGTATGGTGACTATGGTAATAATCAA
 GCTAGCTCCACAGCGACTCCCTTGTATCAGCTCCGATGATGAGGAGGAGCAGGAGGAGGATGAGGAAG
 CAGGTGTTGACAGCTCTTCCACCACCAGCAGTGCTTCGCCCTTGCCCAACAGTTACGATGCCTTGGAAAG
 AGGCAGCTACCCAGATATGCATTCTTCTCAGCAAGCAGCCTGTTCTGACCATGCCCTGGAACCCAGT
 CCCACCTCGCCAGGCTCTGTCTGCAGCCCCACTCCCCTGCAGCTCAGCCAGCCAAGGTGGCAAAGC
 CTTTTGGCTATGGCTACCCAGCTCTGCAGCCTGCCTATCAGAACGCAGCACCACCACCCATGCCCGCAGC
 ACATCCCAGCGGCCAGGTACTGATATCCTCAGCATTACCCAGGTGTGAACAGCTGTCCTCAGGT



CTCGGAGGACTAAGCCTGCAGAGTTCTCCACAGCCAGAAAAGCCTAAGACCTGTCAACCTACCCAGGAGA
AAAATATTTTACCTCAAACCTCTATTTGGGCTCCTGTACCTAACCTGAGTGCAGAACTCAGCAAGTTAAA
CTGTAGTCCAGACTCGTTTCGATGTACCTTGACCAGTATCCCCAGACACAGGCTTTACTGAATAAAGCT
AAGCTTCCTTTAGGATTGCTGTTGCATCCCTTCAGAGACCTGACGCAATTGCCAGTGATAACCTCAAACA
CCATCGTGAGGTGCCGGTCTGTGCGACGTACATCAACCTTTTGTGTCCTTCATTGATCAGCGAAGATG
GAAATGCAACCTGTGTTATAGAGTTAATGATGTTCCAGAAGAGTTTTTGTACAACCCCTGACTCGGTCT
TACGGAGAGCCTCATAAACGGCCAGAAGTCCAGAATTCTACTGTGGAGTTCATCGCATCCTCAGACTACA
TGCTCCGGCCTCCTCAGCCCGCGGTCTACTTGTGTTTGTAGATGTCTCATAACGCAAGTGAAGCTGG
GTATTTGACAGTTTTATGCCAGTCTTATTAGAAAACCTAGACAAGCTTCTGGAGATTCACGAACAAGA
ATAGGATTCATGACTTTTACAGCACCATTCACTTCTACAATCTACAAGAAGGGTTATCCAGCCGCGAGA
TGTTGATTGTATCTGATATAGACGATGTTTTCTGCCACGCCGGATAGTCTGCTTGGAATCTGTATGA
AAGCAAAGAGCTTATAAAAGACTTACTGAATGCATTACCAAGTATGTTTCATCAATACCAGAGAAACACAC
AGTGCCCTTGACCTGCCTTCCAGGCTGCCTTCAAACCTCATGTCTCCACGGGCGCCGCGTGTCTGTAT
TTCAGACACAGTTACCTTCCTGGGGCAGGACTTCTGCAGTCCAGAGAAGATCCGAATCAGAGGTCGAG
TACCAAGTGGTGACCACATCTTGGCCCTGCAACCGACTTTTATAAGAAGCTCGCTTAGATTGCTCAGGG
CAGCAAACCTGCAGTGGATTTGTTCTTCTAAGTTCACAGTATTCTGACCTTGCTTCTGCTGCTGATGT
CCAAGTACTCTGCAGGTGCATATTCTACTATCCATCTTCCACTCTACCCACAATCCTTCGCAAGCAGA
AAAGTTACAAAAGAGCTAAAACGGTACCTCACGAGGAAGATTGGATTTGAAGCTGTTATGAGAATAAGA
TGCACTAAAGGGCTCTCAATGCACACTTCCACGGGAACCTTTTGTCCGCTCCACCGACTTACTGTCTC
TTGCCAACATCAATCCTGATGCTGGGTTTGAGTACAGTTGTCAATCGAAGAGAGCTGCAGATACTGC
CTTAGTGTGCTTTCAGACAGCCCTGCTGTACACATCTAGCAAAGGCGAGCGGAGAATTCGAGTGCATACA
CTGTGCTTGCCAGTCGTAAGTTCCTCGCTGACGTTTATGCAGGAGTGGATGTGCAAGCCGCTGTCTGCC
TTCTCGCCAACATGGCTGTGGACCGCTCAGTGTATCGAGCCTGTCCGATGCCAGGGATGCCCTGGTGAA
CGCTGTGGTGGATCCCCTGTCTGCCTACAGCTCCGCCGTGGCAAGTGTGCCCCGCTCCACCCTGACAGCA
CCAAGCTCACTTAAGCTGCTCCCACTCTATGTTTTGGCACTTCTTAAACAGAAAGCATTTAGAACAGGGA
CAAGCACACGCCTGGATGACCGTGTCTATGCCATGTGCCAGATGAAGTCGAGCCGCTTGTGCATCTCAT
GAAAATGATTCATCCCACTTATACAGGATAGACAGGCTGACAGACGAGGGCGCCATCCACGTGAATGAC
AGGGTAGTACCTCAGCCACCGCTTCAGAAGCTGTCTGCAGAGAAGCTGACCCGAGAAGGCGCTTTCCTCA
TGGACTGCGGCTCAGTTTTCTACATTTGGGTTGGCAAAGGCTGTGACAGTAACTTCATAGAGAACGTGCT
TGGATACCCTGACTTTGCATCAATACCACAGAAAATGACACATCTTCCAGAGCTAGACACACTTCCATCA
GAAAGAAGTAGATCCTTTGTGACTTGGCTCAGGGACAGCCGACCTTAAGCCCTGCTTCACTTGGTAA
AAGATGAGAGCCCTGCCAAAACAGACTTTTCCAGCATTTGCTTGAAGACCGCACGGAAGCCGCACTCTC
CTACTATGAGTTTCTGATTACATCCAACAGCAGGTTTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211855 protein sequence
 Red=Cloning site Green=Tags(s)

MSAPAGSPHPAAGARMPPKLGAVSGLAPPQONGPAQSPMQVPSGYGLPHQNYMVPSPGHYSQGGPKMTSL
 PLDSQCDSYYSRPYTVPTQNSGTPSSANQPGAQQMYGRGPSAPHMGGSMGSGFQGIPASASHYSYSSASQP
 YSSLGNRYSSPTTYSANASVASQGYPTCSHYPISTVSNVYVYVNVSYSLPASEPYGQMFTSQSAPPPAR
 PVKESYSGPSTALTYPSRPPPPPSQHQQQQQQQQQQSHSGYSSLPWSPGALPPAQDSLIRNQMGSL
 LATANSHPTNENVPKSSSVSTVLPGPSSTRMPPAPSHVPGVPVPSAPPPPEQMOTKGMQYGDYGNQ
 ASSTATPLSSASDDEEEQEEDDEEAGVDSSTTSSASPLPNSYDALEGGSYDPMHSSASSPVPDHALEPS
 PTLAQUALSAAPTTPAAQPAKVAKPFYGYPALQPAYQNAAPPPMPAAHPSGPAYTGYPQHYPGVNLSSG
 LGGLSLQSSPQPELSPVNLQTEKNILPPTPIWAPVNLSAELSKLNCSPDSFRCTLT SIPQTQALLNKA
 KLPLGLLLHPFRDLTQLPVITSNTIVRCRSCRTYINPFVVFIDQRRWKCNLCYRVNDVPEEFLYNPLTRS
 YGEPHKRPEVQNSTVEFIASSDYMLRPPQAVYLFVLDVSHNAVEAGYLTVLCQSLENDKLPDGRSTR
 IGFMTFDSTIHFYNLQEGLSQPQMLIVSDIDDFLPTPDSLLVNLYESKELIKDLLNALPSMFINTRETH
 SALGPALQAFAKLMSPGTGRVSVFQTLPSLGAGLLQSREDPNQRSSTKVHHLGPATDFYKKLALDCSG
 QQTAVDLFLLSSQYSDLASLACMSKYSAGCIFYYPSFHSTHNPSQAEKLQKDLKRYLTRKIGFEAVMRIR
 CTKGLSMHTFHGNFFVFRSTDLLSLANINPDAGFAVQLSIEESLTDALVCFQTALLYTSSKGERRIRVHT
 LCLPVVSSLADVYAGVDVQAAVCLLANMAVDRSVSSSLSDARDALVNAVVDPLSAYSSAVASVPRSTLTA
 PSSLKLPLVYVLLKQKAFRTGTSTRLLDRVYAMCQMSQPLVHLMKMIHPNL YRIDRLTDEGAIHVND
 RVVPQPPLQKLSAEKLTREGAFLMDCGSVFYIIVGKGCDSNF IENVLGYPDFASIPQKMTLPELDTLPS
 ERTRSFVTWLRDSRPLSPVLHLVKDESPAKTDFQHLLEDRTAALSYEFLLIHIQQQVCK

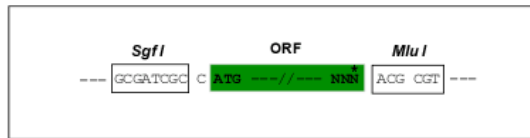
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

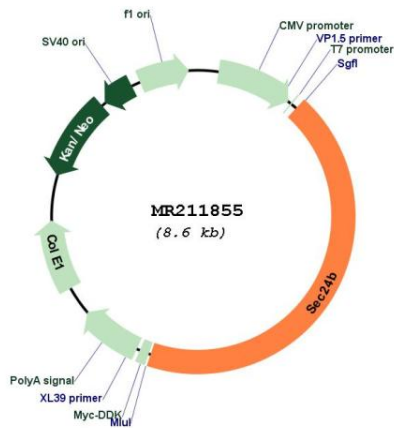


* The last codon before the Stop codon of the ORF

ACCN: NM_207209

ORF Size: 3756 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
RefSeq:	NM_207209.1
RefSeq Size:	4702 bp
RefSeq ORF:	3756 bp
Locus ID:	99683
Cytogenetics:	3 G3
MW:	135.6 kDa

Product images:


Circular map for MR211855