

## Product datasheet for **MR208407**

### Sec24d (BC049257) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sec24d (BC049257) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sec24d
Synonyms:	2310020L09Rik; Gm1349
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208407 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTGGTGACGGATGTCGGAGAGGTCTTTGTTCCTTTGTTGGATGGGTTCTTGTCAACTATGAAGAAT  
 CTC AACTCTGTGATCCACAATTTATTGGACCAGATTCTCTGAGATGTTTGTGACTCTAATGAAAACGAGAC  
 AGTCTTTGCCCGGTCCATCCAGGCCGGCATGGAGGCCCTGAAGGCAGCAGAGTGCCCGGGGAAGCTCTTC  
 ATCTTCCATTCTCTTTGCCTACTGCCGAAGCACCGGGGAAGCTCAAGAACAGAGACGACAAAAAGCTGG  
 TGAACACAGACAAAGAGAAGATACTTTCCAGCCCCAACAGCTGTCTACGAATCTCTGGCCAAAGACTG  
 TGTGGCCAAACAGCTGCTCAGTACTCTGTTCTCTTCCCAGTCAGTTTGTGGATGTGGCTTCTTGGGT  
 CTGGTTCCTCTGCTCACGGGAGGAACCTTTACAATAACAACGTTTTCCAGATACATTAGATAGCCAAA  
 GGTTCCTGACCGACCTCCGGAATGATATTGAGAAGAAAAAGGCTTCGATGCTATCATGAGGTTCCGGAC  
 CAGCACAGTTTTAGGGCCACTGATTTCTTTGGTGAATATTCATGAACAACACCACAGATGTGGAATG  
 GCGGCCATCGACTGCGATAAAGCCGTGACAGTGGAGTTCAAGCAGATGACAAGCTCAGTGAAGATGTCG  
 GGGCCCTGATCCAGTGTGCTGTGCTCTACACGACCATCAGTGGTCAGCGAAGACTCCGGATTCACAATCT  
 CGCCTTAAACTGCAGCACCCAGCTAGCGGATCTGTACAAGAGCTGTGAACTGATGCCCTTATCAACTTC  
 TTTGCCAAGTCAGCTTTTAAAGCAGTTTTGAACCAGCCCTTGAAGGCCATCCGGGAAATTCAGTCAATC  
 AGACTGCCCATATGCTGGCGTGTACCGGAAGCACTGTGCGAGTCCGTCTGCAGCAAGCCAGCTTAACT  
 GCCAGATTCATGAAGGTGCTGCCTGTGATACATGAACAGTTTGTGAAAACTGTGTGCTGCTCAGCAGA  
 TCGGAGATCTCCCTGATGAGCGGGCTTACCAGCGGCAGCTGGTCATGACCATGGGCGTGGCTGACTCCC  
 AGCTCTTCTTCTATCCACTGCTCCTGCCAATCCACACGTTAGATGTGAAGAGTGCACGCTGCCACCAGC  
 CGTCCGCTGCTCCGAGTCCCGACTCTCTGAAGAAGGAATATTCCTGCTGGCTAACGGTCTGAACATGTTC  
 TTATGTTTTGGAGTGGGAGCCACCAGAGCTGATTCAGGGAATATTTAATGTGCCATCGTTTGACATA  
 TCAACACAGATATGACATCGCTGCCTGAGGTGGGAAGTCCACACTCTCAACAACCTCAGAATGATAATGAA  
 TAATATCCAGCAAAGAAGCCATACTCAATGAAGCTCATCGTGGTTAAACAGCGAGAGCAGCGGGAGATG  
 GCTTCCGACAGTTCTGGTGAAGATAAAGGGCTCTATGGAGGATCTTCGTACGTGGATTTCTCTGCT  
 GTGTTACAAGGAGATCTGTCAACTGCTTAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208407 protein sequence  
 Red=Cloning site Green=Tags(s)

MVVTDVGEVFPVLLDGLVNYEESQSVIHNLDDQIPEMFADSNENETVFPVVIQAGMEALKAAECPGKLF  
 IFHSSLPTAEAPGKLNKRDKLVNTDKEKILFQPQTAVYESLAKDCVANSCSVTLFLFPSQFVDVASLG  
 LVPLLTTGGTLKYNVFQIHSDSQRFLDLRNDIEKKIGFDAIMRVRTSTGFRATDFFGGIFMNNTTDVEM  
 AAIDCDKAVTVEFKHDDKLSVDGALIQCAVLYTTISGQRRRIHNLALNCSTQLADLYKSCETDALINF  
 FAKSAFKAVLNQPLKAIREILVNQTAHMLACYRKHCAASPSAASQLILPDSMKVLPVYMNSLLKNCVLLSR  
 SEISPDERAYQRQLVMTMGVADSQLFFYPLLLPIHTLDVKSAAALPPAVRCSESRLSEEGIFLLANGLNMF  
 LWFVGVSPPELIQGI FNVPSFAHINTDMTSLPEVGSPPHSQQLRMIMNNIQQKPYSMKLI VVKQREQREM  
 AFRQFLVEDKGLYGGSSVDFLCCVHKEICQLLN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC049257

**ORF Size:** 1572 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:**
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:** [BC049257](#), [AAH49257](#)

**RefSeq Size:** 2298 bp

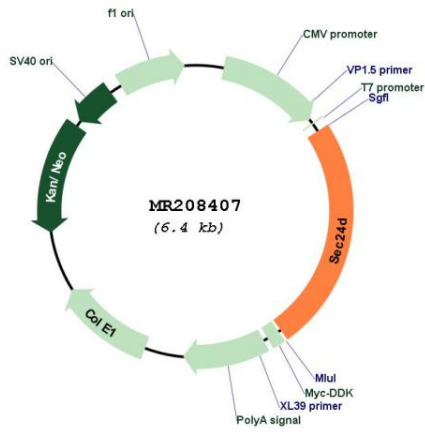
**RefSeq ORF:** 1574 bp

**Locus ID:** 69608

**Cytogenetics:** 3 G1

MW: 58.5 kDa

Product images:



Circular map for MR208407