

Product datasheet for RR212375

Sec11c (NM_153628) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sec11c (NM_153628) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sec11c
Synonyms: Sec11I3; Spc21
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212375 representing NM_153628
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTTCGTGCGGGCGCCGTGGGGACGCATCTCCCACGTCCAGCCTGGACATCTTTGGGGACTTGAGGA
 AGATGAACAAACGACAGCTTTACTACCAGGTCTAAACTTTGCCATGATTGTGTCTTCTGCGCTCATGAT
 ATGGAAAGGCTTAATTGTGCTCACGGGCAGTGAGAGTCCCATCGTGGTGGTACTGAGTGGCAGTATGGAG
 CCGGCCTTTCACAGGGGAGATCTGCTGTTCTCACAAATTTCCGGGAGGATCCCATCAGAGCTGGTGAAA
 TAGTTGTTTTTAAAGTTGAAGGAAGAGACATCCGATAGTTCACAGAGTAATCAAGGTTTCATGAAAAAGA
 TAATGGAGACATCAAGTTTCTGACTAAAGGAGATAATAATGAAGTTGATGATCGAGGCTTGACAAAGAA
 GGCCAGAACTGGCTGGAGAAGAAGGACGTGGTAGGAAGAGCTCGAGGGTCTTACCATATGTTGGCATGG
 TCACCATTATAATGAACGACTATCCTAAGTTCAAGTACGCTCTTGTGGCTGTGATGGGCCATACGTGTT
 ACTGAAACGTGAATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212375 representing NM_153628
 Red=Cloning site Green=Tags(s)

MVRAGAVGTHLPTSSLDIFGDLRKMNRQLYYQVLNFAMIVSSALMIWGLIVLTGSESPIVVVLSGSME
 PAFHRGDLFLTNFREDPIRAGEIVVFKVEGRDIPVHRVIKVHEKDNGDIKFLTKGDNNEVDDRGLYKE
 GQNWLEKKDVVGRARGFLPYVGMVTIIMNDYPKFKYALVAVMGAYVLLKRES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

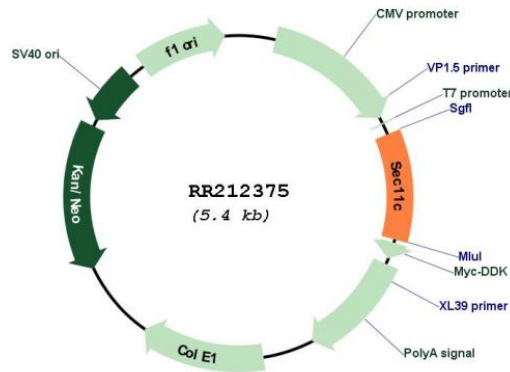


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Cloning Scheme:



Plasmid Map:



ACCN: NM_153628

ORF Size: 576 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: [NM_153628.2](#), [NP_705892.1](#)

RefSeq Size: 677 bp

RefSeq ORF: 579 bp

Locus ID: 266758

UniProt ID: [Q9WTR7](#)

Cytogenetics: 18q12.1

MW: 21.6 kDa

Gene Summary: human homolog is a subunit of the signal peptidase complex, which cleaves the signal sequences of secretory and membrane proteins [RGD, Feb 2006]