

Product datasheet for MR215956

Sec11a (NM_019951) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sec11a (NM_019951) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sec11a
Synonyms: 18kDa; 1810012E07Rik; Sec11I1; sid2895; Sid2895p; Spc18
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR215956 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTGTCTCTAGACTTTCTAGACGATGTGCGGCGGATGAACAAGAGGCAGCTGTACTACCAAGTCCTAA
ATTTTGGAAATGATTGTCTCCTCGGCACTAATGATCTGGAAGGGGCTGATGGTGATAACCGAAAGTGAGAG
TCCAATGTAGTGGTCTCAGTGGCAGCATGGAGCCTGCGTTTCACAGAGGGGATCTCCTTTTCCTCAGC
AACCGAGTTGAAGATCCTATACGCGTGGGGGAGATCGTTGTTTTTCAGGATAGAAGGAAGAGAGATTCCTA
TAGTGCACCGAGTCTGAAGATCCATGAAAAGCAAGATGGGCATATCAAGTTTTTAACCAAGGAGATAA
TAATGCTGTTGATGACCGAGGTCTCTATAAACAAGGACAACACTGGCTGGAGAAGAAAGATGTTGTGGGG
AGAGCAAGAGGGTTTGTTCCTTACATTGGAATTGTGACGATCCTCATGAATGACTATCCTAAATTTAAGT
ATGCACTACTGTTTCTGCTCGGTTTATTTGTGCTGGTCCATCGTGAG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

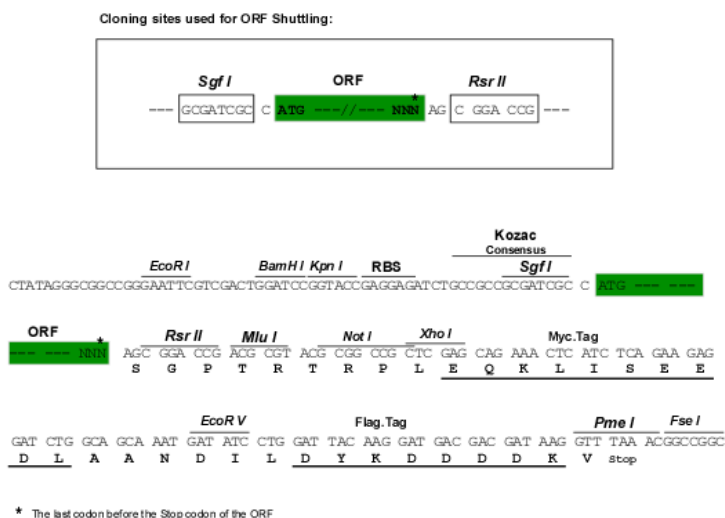
Protein Sequence: >MR215956 protein sequence
Red=Cloning site Green=Tags(s)

MLSLDFLDVRRMNRQLYYQVLNFGMIVSSALMIWKGLMVTGSESPIVVVLSGSMEPAFHRGDLLFLT
NRVEDPIRVGEIVVFRIEGREIPIVHRVLKIHEKQDGHKFLTKGDNNAVDDRGLYKQGQHWLEKKDVG
RARGFVPIYIGIVTILMNDYPKFKYAVLFLLGLFVLVHRE

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-RsrII



Cloning Scheme:


ACCN: NM_019951

ORF Size: 540 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_019951.1](#), [NP_064335.1](#)

RefSeq Size: 1113 bp

RefSeq ORF: 540 bp

Locus ID: 56529

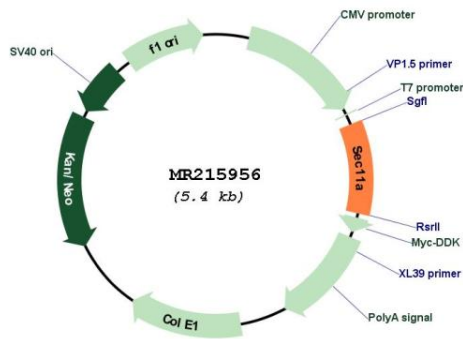
UniProt ID: [Q9R0P6](#)

Cytogenetics: 7 D3

MW: 20.6 kDa

Gene Summary: Component of the microsomal signal peptidase complex which removes signal peptides from nascent proteins as they are translocated into the lumen of the endoplasmic reticulum. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215956