

Product datasheet for RC231793

SEC11A (NM_001271919) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SEC11A (NM_001271919) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SEC11A
Synonyms: 1810012E07Rik; SEC11L1; sid2895; SPC18; SPCS4A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231793 representing NM_001271919
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTGTCTCTAGACTTTTTGGACGATGTGCGCGGATGAACAAGCGGCAGCTCTATTATCAAGTCCTAA
ATTTTGAATGATTGTCTCATCGGCACTAATGATCTGGAAGGGTTAATGGTAATAACTGGAAGTAAAG
TCCGATTGTAGTGGTCTCAGTGGCAGCATGGAACCTGCATTTTCATAGAGGAGATCTTCTTTTCTAACA
AATCGAGTTGAAGATCCCATACGAGTGGGAGAAATTTGTTGTTTTAGGATAGAAGGAAGAGAGATTCCTA
TAGTTCACCGAGTCTTGAAGATTCATGAAAAATTTGTTTCCTTATATTGGAATTGTGACGATCCTCATGAA
TGACTATCCTAAATTTAAGTATGCAGTTCTTTTTGCTGGGTTTATTCGTGCTGGTTCATCGTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231793 representing NM_001271919
Red=Cloning site Green=Tags(s)

MLSLDFLDDVRRMNRQLYYQVLNFGMIVSSALMIWKGLMVTGSESPIVVVLSGSMEPAFHRGDLFL
NRVEDPIRVGEIVVFRIEGREIPIVHRVLIHEKFVPYIGIVTILMNDYPKFYAVLFLGLFVLVHRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

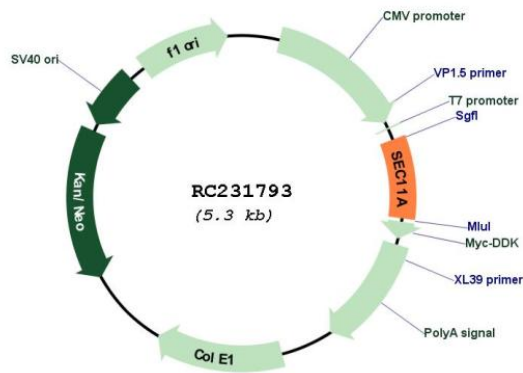


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001271919

ORF Size: 417 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_001271919.1 , NP_001258848.1
RefSeq Size:	1296 bp
RefSeq ORF:	420 bp
Locus ID:	23478
UniProt ID:	P67812
Cytogenetics:	15q25.2-q25.3
Protein Families:	Druggable Genome, Protease, Transmembrane
Protein Pathways:	Protein export
MW:	16.5 kDa
Gene Summary:	This gene encodes a member of the peptidase S26B family. The encoded protein is an 18kDa subunit of the signal peptidase complex and has been linked to cell migration and invasion, gastric cancer and lymph node metastasis. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 8. [provided by RefSeq, Dec 2012]