

Product datasheet for **RC224858**

SEC31B (NM_015490) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SEC31B
Synonyms:	SEC31B-1; SEC31L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224858 representing NM_015490
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC224858 representing NM_015490
Red=Cloning site Green=Tags(s)

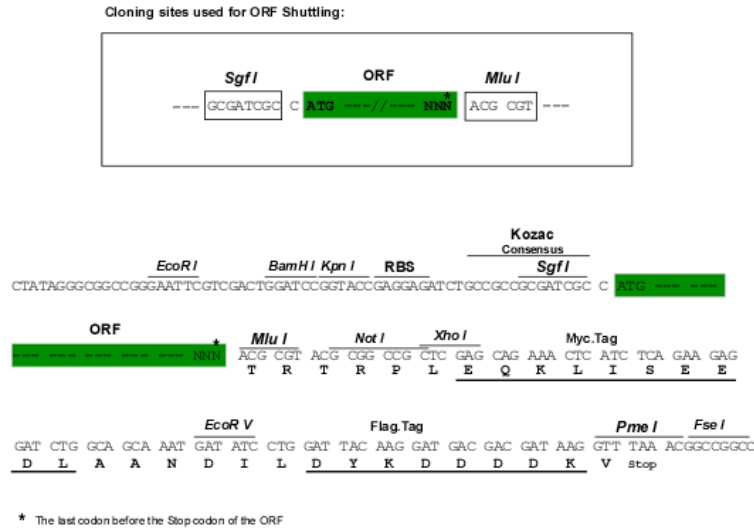
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PGELSLQLQHLPEKMERKELPPEHQSLKSSFEALLQRCSLSATDLKTKRKLEEAQRLEYLYEKLCEGT
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Chromatograms: https://cdn.origene.com/chromatograms/mk8119_f01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015490

ORF Size: 3537 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015490.4](#)

RefSeq Size: 4631 bp

RefSeq ORF: 3540 bp

Locus ID: 25956

UniProt ID: [Q9NQW1](#)

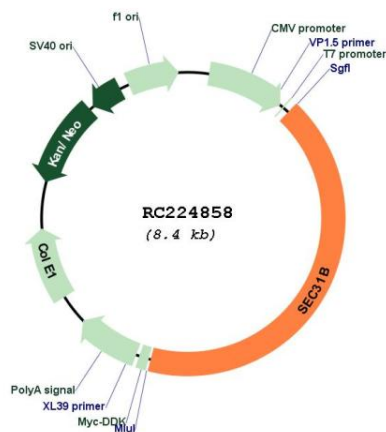
Cytogenetics: 10q24.31

Domains: WD40

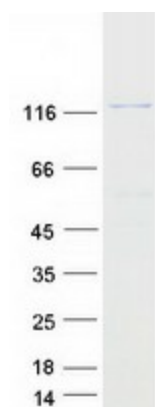
MW: 129.1 kDa

Gene Summary: This gene encodes a protein of unknown function. The protein has moderate similarity to rat VAP1 protein which is an endosomal membrane-associated protein, containing a putative Ca²⁺/calmodulin-dependent kinase II phosphorylation site. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC224858



Coomassie blue staining of purified SEC31B protein (Cat# [TP324858]). The protein was produced from HEK293T cells transfected with SEC31B cDNA clone (Cat# RC224858) using MegaTran 2.0 (Cat# [TT210002]).