

Product datasheet for MR216478

Sec16b (NM_033354) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec16b (NM_033354) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sec16b
Synonyms:	Lztr2; Rgpr; Rgpr-p117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216478 representing NM_033354 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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CTGCAGACCTCTTCCAGCTCATGTCAGGAAGGATTCCACAAGCAGCCACGGTTTGTGGAGACAAACAGT
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 TGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>MR216478 representing NM_033354

Red=Cloning site Green=Tags(s)

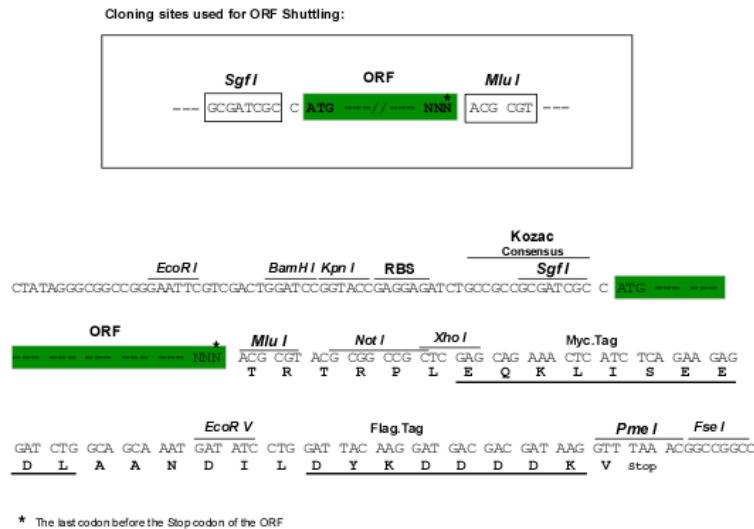
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 C

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_033354

ORF Size: 3153 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 10µg 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_033354.3](#), [NP_203505.3](#)

RefSeq Size: 4611 bp

RefSeq ORF: 3156 bp

Locus ID: 89867

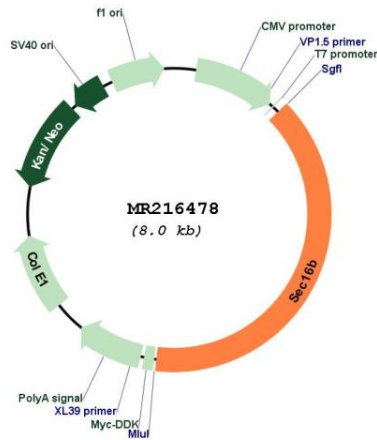
UniProt ID: [Q91XT4](#)

Cytogenetics: 1 H1

MW: 115.5 kDa

Gene Summary: Plays a role in the organization of the endoplasmic reticulum exit sites (ERES), also known as transitional endoplasmic reticulum (tER). Required for secretory cargo traffic from the endoplasmic reticulum to the Golgi apparatus. Involved in peroxisome biogenesis. Regulates the transport of peroxisomal biogenesis factors PEX3 and PEX16 from the ER to peroxisomes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216478