

Product datasheet for RC201512

SEC22L2 (SEC22A) (NM_012430) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SEC22L2
Synonyms:	SEC22L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201512 representing NM_012430. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

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Protein Sequence: >Peptide sequence encoded by RC201512
 Blue=ORF Red=Cloning site Green=Tag(s)

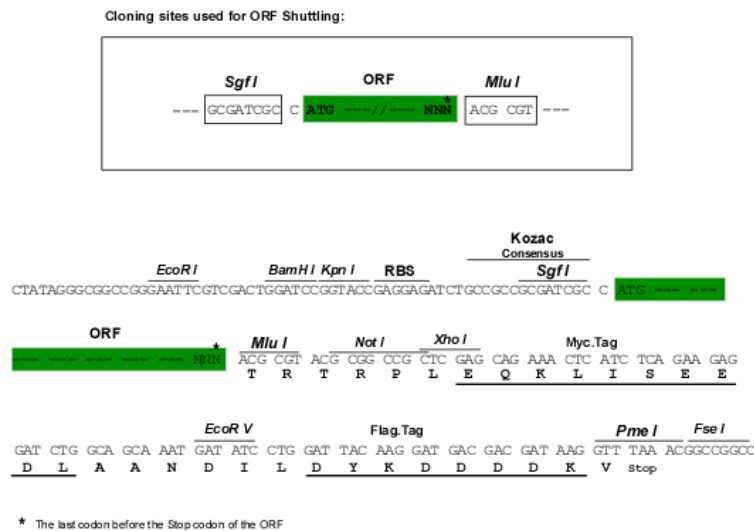
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 IRGFHAIESLLQSDGDDFNYYIAFFLGTAACLYQCYLLVYYTGWRNVKSFLTGLICLCNMYLYELRNL
 WQLFFHVTVGAFVTLQIWLRLQAQKAPDYDV
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC201512 also available, [TP301512](#)

Chromatograms: https://cdn.origene.com/chromatograms/mk6301_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012430

ORF Size: 921 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 Size: 3429 bp

RefSeq ORF: 924 bp

Locus ID: 26984

UniProt ID: [Q96IW7](#)

Cytogenetics: 3q21.1

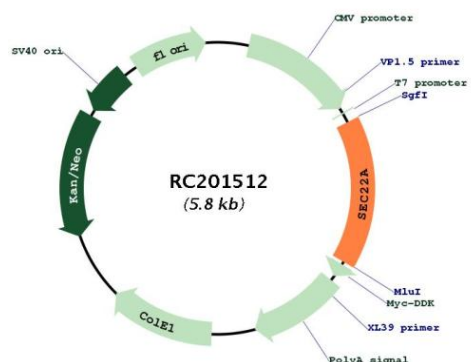
Domains: synaptobrevin

Protein Families: Transmembrane

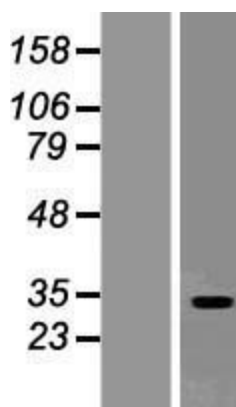
MW: 34.9 kDa

Gene Summary: The protein encoded by this gene belongs to the member of the SEC22 family of vesicle trafficking proteins. This protein has similarity to rat SEC22 and may act in the early stages of the secretory pathway. [provided by RefSeq, Nov 2008]

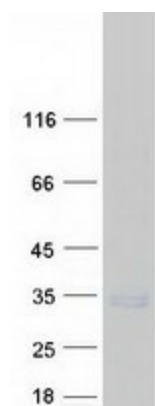
Product images:



Circular map for RC201512



Western blot validation of overexpression lysate (Cat# [LY415757]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201512 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SEC22A protein (Cat# [TP301512]). The protein was produced from HEK293T cells transfected with SEC22A cDNA clone (Cat# RC201512) using MegaTran 2.0 (Cat# [TT210002]).