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Product datasheet for RC200569

SEC22L1 (SEC22B) (NM_004892) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC22L1 (SEC22B) (NM_004892) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SEC22L1
Synonyms:	ERS-24; SEC22L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC200569 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGTTGCTAACAATGATCGCCCGAGTGGCGGACGGGCTCCCGCTGGCCGCCTCGATGCAGGAGGACG
AACAGTCTGGCCGGGACCTTCAACAGTATCAGAGTCAGGCTAAGCAACTCTTTCGAAAGTTGAATGAACA
GTCCCCTACCAGATGTACCTTGGAAGCAGGAGCCATGACTTTTCACTACATTATTGAGCAGGGGGTGTGT
TATTTGGTTTTATGTGAAGCTGCCTTCCCTAAGAAGTTGGCTTTTGCCTACCTAGAAGATTTGCACTCAG
AATTTGATGAACAGCATGGAAAGAAGGTGCCCACTGTGTCCCGACCCTATTCCTTTATTGAATTTGATAC
TTTCATTCAGAAAACCAAGAAGCTCTACATTGACAGTCGTGCTCGAAGAAATCTAGGCTCCATCAACACT
GAATTGCAAGATGTGCAGAGGATCATGGTGGCCAATATTGAAGAAGTGTTACAACGAGGAGAAGCACTCT
CAGCATTGGATTCAAAGGCTAACAATTTGTCCAGTCTGTCCAAGAAATACCGCCAGGATGCGAAGTACTT
GAACATGCGTTCCACTTATGCCAAACTTGCAGCAGTAGCTGTATTTTTCATCATGTTAATAGTGTATGTC
CGATTCTGGTGGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC200569 protein sequence
Red=Cloning site Green=Tags(s)

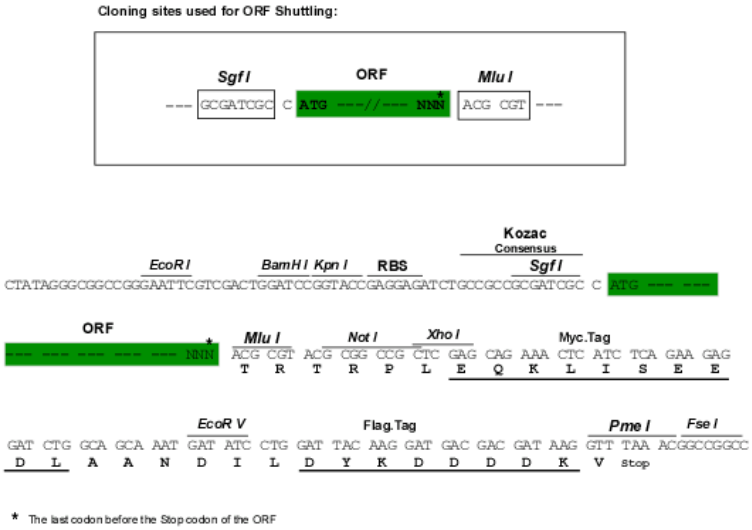
MVLLTMIARVADGLPLAASMQEDEQSGRDLQQYQSQAKQLFRKLNEQSPTRCTLEAGAMTFHYIIEQGVC
YLVLCEAAFPKKLAFAYLEDLHSEFDEQHGKKVPTVSRPYSFIEFDTFIQKTKKLYIDSRARRNLGSINT
ELQDVQRIMVANIEEVLQRGEALSALDSKANNLSSLSKKYRQDAKYLNMRSTYAKLAAVAVFFIMLIVYV
RFWWL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6057_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004892

ORF Size: 645 bp

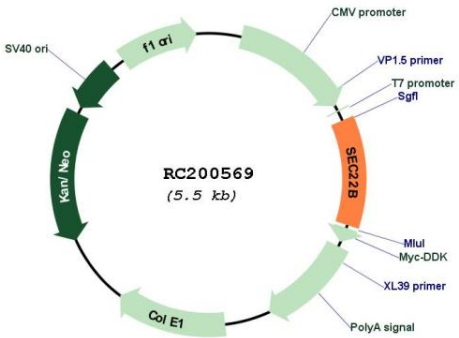
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

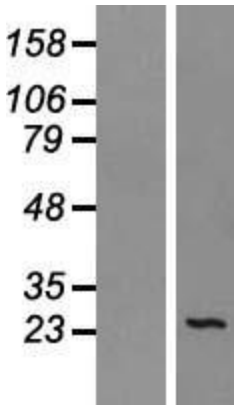
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_004892.3, NP_004883.1
RefSeq Size:	1892 bp
RefSeq ORF:	648 bp
Locus ID:	9554
UniProt ID:	O75396
Cytogenetics:	1p12
Domains:	synaptobrevin
Protein Pathways:	SNARE interactions in vesicular transport
MW:	24.7 kDa
Gene Summary:	The protein encoded by this gene is a member of the SEC22 family of vesicle trafficking proteins. It seems to complex with SNARE and it is thought to play a role in the ER-Golgi protein trafficking. This protein has strong similarity to Mus musculus and Cricetulus griseus proteins.[provided by RefSeq, Sep 2009]

Product images:



Circular map for RC200569



Western blot validation of overexpression lysate (Cat# [LY417678]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200569 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).