

## Product datasheet for **RG200569**

### 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:	TurboGFP
Symbol:	SEC22L1
Synonyms:	ERS-24; SEC22L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200569 representing NM_004892 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGTGCTAACAAATGATCGCCCGAGTGGCGGACGGGCTCCCGCTGGCCGCCTCGATGCAGGAGGACG  
AACAGTCTGGCCGGGACCTTCAACAGTATCAGAGTCAGGCTAAGCAACTCTTTCGAAAGTTGAATGAACA  
GTCCCCTACCAGATGTACCTTGAAGCAGGAGCCATGACTTTTCACTACATTATTGAGCAGGGGGTGTGT  
TATTTGGTTTTATGTGAAGCTGCCTTCCCTAAGAAGTTGGCTTTTGCCTACCTAGAAGATTTGCACTCAG  
AATTTGATGAACAGCATGAAAGAAGGTGCCACTGTGTCCCGACCTATTCCTTTATTGAATTTGATAC  
TTTCATTAGAAAACCAAGAAGCTCTACATTGACAGTCGTGCTCGAAGAAATCTAGGCTCCATCAACACT  
GAATTGCAAGATGTGCAGAGGATCATGGTGGCCAATATTGAAGAAGTGTACAACGAGGAGAAGCACTCT  
CAGCATTGGATTCAAAGGCTAACAATTTGTCCAGTCTGTCCAAGAAATACCGCCAGGATGCGAAGTACTT  
GAACATGCGTTCCACTTATGCCAACTTGACGAGTAGCTGTATTTTTCATCATGTTAATAGTGTATGTC  
CGATTCTGGTGGCTG

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG200569 representing NM\_004892  
 Red=Cloning site Green=Tags(s)

MVLLTMIARVADGLPLAASMQEDEQSGRDLQQYQSQAQQLFRKLNEQSPTRCTLEAGAMTFHYIIEQGV  
 YLVLCEAAFPKKLAFAYLEDLHSEFDEQHGKVPVTSRPFYIEFDTFIQTKKLYIDSRARRNLGSINT  
 ELQDVQRIMVANIEEVLQRGEALSALDSKANLSSLKKYRQDAKYLNMRSTYAKLAAVAVFFIMLIVYV  
 RFWWL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_004892

**ORF Size:** 645 bp

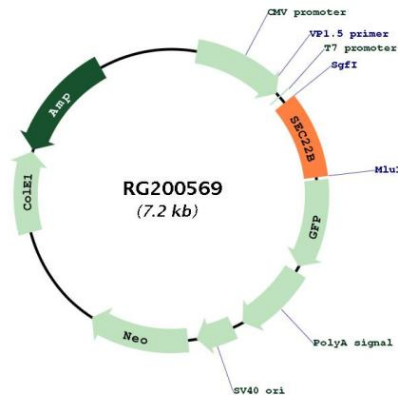
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of 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](mailto: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:** 1821 bp
- RefSeq ORF:** 648 bp
- Locus ID:** 9554
- UniProt ID:** [Q75396](#)
- Cytogenetics:** 1p12
- Domains:** synaptobrevin
- Protein Pathways:** SNARE interactions in vesicular transport
- 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 RG200569