

Product datasheet for **RG200247**

SEC61B (NM_006808) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SEC61B (NM_006808) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SEC61B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200247 representing NM_006808
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGGTCCGACCCCACTGGCACTAACGTGGGATCCTCAGGGCGCTCTCCAGCAAAGCAGTGGCCG
CCCGGGCGGGGATCCACTGTCCGGCAGAGGAAAAATGCCAGCTGTGGGACAAGGAGTGCAGGCCGCAC
AACCTCGGCAGGCACCGGGGGATGTGGCGATTCTACACAGAAGATTACCTGGGCTCAAAGTTGGCCCT
GTTCCAGTATTGGTTATGAGTCTTCTGTTTCATCGCTTCTGTATTTATGTTGCACATTTGGGGCAAGTACA
CTCGTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200247 representing NM_006808
Red=Cloning site Green=Tags(s)
MPGPTPSGTNVGSSGRSPSKAVAARAAGSTVRQRKNASCGRTRSAGRRTTSAGTGGMWRFYTEDSPGLKVGP
VPVLVMSLLFIASVFMLHIWGYTRS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_006808

ORF Size: 288 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:

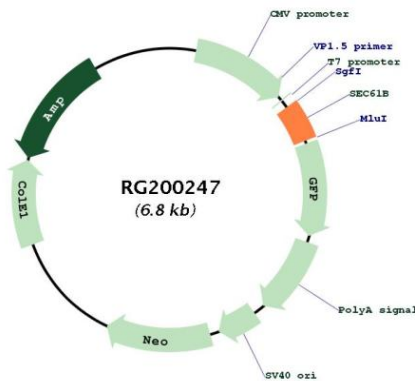
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_006808.3](#)

RefSeq Size: 583 bp

| | |
|-------------------|---|
| RefSeq ORF: | 291 bp |
| Locus ID: | 10952 |
| UniProt ID: | P60468 |
| Cytogenetics: | 9q22.33 |
| Domains: | Sec61_beta |
| Protein Families: | Transmembrane |
| Protein Pathways: | Vibrio cholerae infection |
| Gene Summary: | The Sec61 complex is the central component of the protein translocation apparatus of the endoplasmic reticulum (ER) membrane. Oligomers of the Sec61 complex form a transmembrane channel where proteins are translocated across and integrated into the ER membrane. This complex consists of three membrane proteins- alpha, beta, and gamma. This gene encodes the beta-subunit protein. The Sec61 subunits are also observed in the post-ER compartment, suggesting that these proteins can escape the ER and recycle back. There is evidence for multiple polyadenylated sites for this transcript. [provided by RefSeq, Jul 2008] |

Product images:



Circular map for RG200247