

Product datasheet for **MG200268**

Sec61b (NM_024171) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sec61b (NM_024171) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sec61b
Synonyms: 1190006C12Rik; AI326121; AW122942
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200268 representing NM_024171
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCGGGTCCAACGCCAGTGGACCAACGTGGGCTCCTCTGGCCGCTCTCCAGCAAAGCGGTGGCCG
CACGGGTGCGGGATCCACTGTTTCGGCAGAGAAAAATGCCAGCTGTGGGACCCGGAGCGCAGGCCGCAC
CACCTCTGCAGGGACTGGGGGATGTGGCGATTCTACACGAAGATTCACAGGGCTCAAAGTGGGCCCT
GTCCAGTGCTGGTGATGAGTCTTCTGTTTCATCGCTGCTGATTTATGCTGCACATTGGGGCAAGTACA
CGCGATCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200268 representing NM_024171
Red=Cloning site Green=Tags(s)
MPGPTPSGTNVGSSGRSPSKAVAAARAAGSTVRQRKNASCGRTRSAGRTTSAGTGGMWRFYTEDSPGLKVGP
VPVLVMSLLFIAAVFMLHIWGYTRS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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_024171.2
RefSeq Size:	553 bp
RefSeq ORF:	291 bp
Locus ID:	66212
UniProt ID:	Q9CQS8
Cytogenetics:	4 B1
Gene Summary:	Component of SEC61 channel-forming translocon complex that mediates transport of signal peptide-containing precursor polypeptides across endoplasmic reticulum (ER) (By similarity). Required for PKD1/Polycystin-1 biogenesis (PubMed:28375157).[UniProtKB/Swiss-Prot Function]