

## Product datasheet for **MC209377**

### Sec61g (NM\_001109971) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sec61g (NM_001109971) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sec61g
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC209377 representing NM_001109971 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATCAGGTAATGCAGTTTGTGGAGCCAGCCGGCAGTTTGTAAAGGACTCAATTCGGCTGGTTAAAA  
GATGCACCAAACCCGACAGAAAAGAATTCAGAAGATTGCCATGGCTACAGCTATAGGATTTGCTATCAT  
GGGATTCATTGGCTTCTTCGTGAACTGATCCATATACCCATTAATAACATTATTGTGGGTGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001109971
Insert Size:	207 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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**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\\_001109971.1](#), [NP\\_001103441.1](#)

**RefSeq Size:** 779 bp

**RefSeq ORF:** 207 bp

**Locus ID:** 20335

**UniProt ID:** [P60060](#)

**Cytogenetics:** 11 A2

**Gene Summary:** Component of SEC61 channel-forming translocon complex that mediates transport of signal peptide-containing precursor polypeptides across endoplasmic reticulum (ER).  
[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) includes an alternate segment in exon 1, compared to variant 1. This causes translation initiation at a downstream AUG and an isoform (2) with a shorter N-terminus compared to isoform 1.