

Product datasheet for MC204137

Sec23a (NM_009147) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec23a (NM_009147) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sec23a
Synonyms:	Msec23; Sec23r
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC034610

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>BC034610
CCCCCTTTGACGTGGCAGAGGCGGCACCAGCCATGTTGTCCTGGCCAGGCCCTCCAAGAGGCCGGGGGGCG
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Restriction Sites:

RsrII-NotI

ACCN:

NM_009147

Insert Size:

2298 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).

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:
[BC034610](#), [AAH34610](#)
RefSeq Size:

3720 bp

RefSeq ORF: 2298 bp

Locus ID: 20334

UniProt ID: [Q01405](#)

Cytogenetics: 12 C1

Gene Summary: Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the endoplasmic reticulum (ER). The coat has two main functions, the physical deformation of the endoplasmic reticulum membrane into vesicles and the selection of cargo molecules for their transport to the Golgi complex (By similarity). Required for the translocation of insulin-induced glucose transporter SLC2A4/GLUT4 to the cell membrane (PubMed:27354378).[UniProtKB/Swiss-Prot Function]