

## Product datasheet for **MR210508L4V**

### Sec63 (NM\_153055) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Sec63 (NM_153055) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sec63
Synonyms:	5730478J10Rik; AI649014; AW319215
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_153055
ORF Size:	2280 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210508).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_153055.3</a> , <a href="#">NP_694695.3</a>
RefSeq Size:	6058 bp
RefSeq ORF:	2283 bp
Locus ID:	140740
UniProt ID:	<a href="#">Q8VHE0</a>
Cytogenetics:	10 22.89 cM



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**Gene Summary:**

Mediates cotranslational and post-translational transport of certain precursor polypeptides across endoplasmic reticulum (ER) (PubMed:22375059). Proposed to play an auxiliary role in recognition of precursors with short and apolar signal peptides. May cooperate with SEC62 and HSPA5/BiP to facilitate targeting of small presecretory proteins into the SEC61 channel-forming translocon complex, triggering channel opening for polypeptide translocation to the ER lumen (By similarity). Required for efficient PKD1/Polycystin-1 biogenesis and trafficking to the plasma membrane of the primary cilia (PubMed:21685914).[UniProtKB/Swiss-Prot Function]