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Product datasheet for MR207628L4V

Sec61a1 (NM_016906) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sec61a1 (NM_016906) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sec61a1
Synonyms:	AA408394; AA410007; Sec61a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016906
ORF Size:	1431 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR207628).`
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.
RefSeq:	NM_016906.2, NP_058602.1
RefSeq Size:	3039 bp
RefSeq ORF:	1431 bp
Locus ID:	53421
UniProt ID:	P61620
Cytogenetics:	6 D1

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Gene Summary: Component of SEC61 channel-forming translocon complex that mediates transport of signal peptide-containing precursor polypeptides across endoplasmic reticulum (ER). Forms a ribosome receptor and a gated pore in the ER membrane, both functions required for cotranslational translocation of nascent polypeptides. May cooperate with auxiliary protein SEC62, SEC63 and HSPA5/BiP to enable post-translational transport of small presecretory proteins. Controls the passive efflux of calcium ions from the ER lumen to the cytosol through SEC61 channel, contributing to the maintenance of cellular calcium homeostasis (By similarity). Plays a critical role in nephrogenesis, specifically at pronephros stage (PubMed:27392076).[UniProtKB/Swiss-Prot Function]