

Product datasheet for **MR211256L3V**

Vps11 (NM_027889) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Vps11 (NM_027889) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Vps11
Synonyms:	1200011A11Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_027889
ORF Size:	2823 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211256).
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_027889.1
RefSeq Size:	3194 bp
RefSeq ORF:	2826 bp
Locus ID:	71732
UniProt ID:	Q91W86
Cytogenetics:	9 A5.2



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Gene Summary:

Plays a role in vesicle-mediated protein trafficking to lysosomal compartments including the endocytic membrane transport and autophagic pathways. Believed to act as a core component of the putative HOPS and CORVET endosomal tethering complexes which are proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The HOPS complex is proposed to be recruited to Rab7 on the late endosomal membrane and to regulate late endocytic, phagocytic and autophagic traffic towards lysosomes. The CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations. Required for fusion of endosomes and autophagosomes with lysosomes. Involved in cargo transport from early to late endosomes and required for the transition from early to late endosomes (By similarity).[UniProtKB/Swiss-Prot Function]