

## Product datasheet for **MR211641L4V**

### Ap3b1 (NM\_009680) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Ap3b1 (NM_009680) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ap3b1
Synonyms:	AP-3; AU015684; beta3A; C78395; Hps2; pe; pearl; rim2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009680
ORF Size:	3315 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211641).
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_009680.2</a>
RefSeq Size:	3956 bp
RefSeq ORF:	3318 bp
Locus ID:	11774
UniProt ID:	<a href="#">Q9Z1T1</a>
Cytogenetics:	13 49.22 cM



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**Gene Summary:**

Subunit of non-clathrin- and clathrin-associated adaptor protein complex 3 (AP-3) that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules. AP-3 appears to be involved in the sorting of a subset of transmembrane proteins targeted to lysosomes and lysosome-related organelles. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. [UniProtKB/Swiss-Prot Function]