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Product datasheet for MR220166L4V

Aup1 (NM_007517) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aup1 (NM_007517) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aup1
Synonyms:	AA589454
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007517
ORF Size:	1317 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR220166).
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_007517.3, NP_031543.2
RefSeq Size:	1527 bp
RefSeq ORF:	1233 bp
Locus ID:	11993
Cytogenetics:	6 35.94 cM

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Gene Summary: The protein encoded by this gene contains several conserved domains including a hydrophobic domain, an acetyltransferase domain, a ubiquitin binding domain, and a domain required for recruitment of ubiquitin-conjugating enzyme E2 G2 (Ube2g2). In humans, this protein localizes to the endoplasmic reticulum and to lipid droplets. This protein is thought to be involved both in the degradation of misfolded proteins from the endoplasmic reticulum and in the storage of neutral lipids. Reduced expression of the human ortholog of this gene strongly reduces lipid droplet clustering in the cell, and causes stabilization of misfolded proteins. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]