

Product datasheet for **MR221050L3V**

Aimp2 (NM_001172146) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aimp2 (NM_001172146) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aimp2
Synonyms:	AA407136; AA407225; Aimp2(p38); Jtv1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001172146
ORF Size:	960 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221050).
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_001172146.1 , NP_001165617.1
RefSeq Size:	1210 bp
RefSeq ORF:	963 bp
Locus ID:	231872
UniProt ID:	Q8R010
Cytogenetics:	5 G2



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Gene Summary:

Required for assembly and stability of the aminoacyl-tRNA synthase complex (PubMed:12060739). Mediates ubiquitination and degradation of FUBP1, a transcriptional activator of MYC, leading to MYC down-regulation which is required for aveolar type II cell differentiation (PubMed:12819782). Blocks MDM2-mediated ubiquitination and degradation of p53/TP53 (PubMed:18695251). Functions as a proapoptotic factor (PubMed:16135753). [UniProtKB/Swiss-Prot Function]