

Product datasheet for **MR218097L4V**

Agbl4 (NM_001048189) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Agbl4 (NM_001048189) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Agbl4
Synonyms:	4930578N11Rik; 4931433A01Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001048189
ORF Size:	1389 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218097).
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_001048189.3 , NP_001041654.2
RefSeq Size:	1864 bp
RefSeq ORF:	1392 bp
Locus ID:	78933
UniProt ID:	Q09LZ8
Cytogenetics:	4 C7-D1



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Gene Summary:

Metallocarboxypeptidase that mediates deglutamylation of target proteins (PubMed:17244818, PubMed:21074048, PubMed:25103237, PubMed:26829768). Catalyzes the deglutamylation of polyglutamate side chains generated by post-translational polyglutamylation in proteins such as tubulins (PubMed:17244818). Also removes polyglutamates from the carboxy-terminus of target proteins such as MYLK (PubMed:21074048). Mediates deglutamylation of CGAS, regulating the antiviral activity of CGAS (PubMed:26829768). Acts as a long-chain deglutamylase and specifically shortens long polyglutamate chains, while it is not able to remove the branching point glutamate, a process catalyzed by AGL5/CCP5 (PubMed:25103237).[UniProtKB/Swiss-Prot Function]