

## Product datasheet for **MR225354L4V**

### **Agtppb1 (NM\_001048008) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Agtppb1 (NM_001048008) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Agtppb1
Synonyms:	1700020N17Rik; 2310001G17Rik; 2900054O13Rik; 4930445M19Rik; 5730402G09Rik; CCP1; nmf243
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001048008
ORF Size:	2367 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225354).
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_001048008.1</a> , <a href="#">NP_001041473.1</a>
RefSeq Size:	2932 bp
RefSeq ORF:	2370 bp
Locus ID:	67269
UniProt ID:	<a href="#">Q641K1</a>
Cytogenetics:	13



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**Gene Summary:**

Metallocarboxypeptidase that mediates deglutamylation of target proteins. Catalyzes the deglutamylation of polyglutamate side chains generated by post-translational polyglutamylation in proteins such as tubulins. Also removes gene-encoded polyglutamates from the carboxy-terminus of target proteins such as MYLK. 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. Deglutamylation plays a key role in cerebellar Purkinje cell differentiation, accumulation of tubulin polyglutamylation causing neurodegeneration.[UniProtKB/Swiss-Prot Function]