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Product datasheet for RR209447L4V

Agbl5 (NM_001126372) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Agbl5 (NM_001126372) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Agbl5
Synonyms:	Agbl5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001126372
ORF Size:	2496 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR209447).
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_001126372.1, NP_001119844.1
RefSeq Size:	3307 bp
RefSeq ORF:	2499 bp
Locus ID:	362710
UniProt ID:	B2GV17
Cytogenetics:	6q14

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Gene Summary: Metallocarboxypeptidase that mediates protein deglutamylation. Specifically catalyzes the deglutamylation of the branching point glutamate side chains generated by post-translational glutamylation in proteins such as tubulins. In contrast, it is not able to act as a long-chain deglutamylase that shortens long polyglutamate chains, a process catalyzed by AGTPBP1/CCP1, AGBL2/CCP2, AGBL3/CCP3, AGBL1/CCP4 and AGBL4/CCP6. Mediates deglutamylation of CGAS, regulating the antiviral activity of CGAS.[UniProtKB/Swiss-Prot Function]