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Product datasheet for MR218794L3V

Agbl5 (NM_001048192) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Agbl5 (NM_001048192) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Agbl5
Synonyms:	9430057O19Rik; CCP5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001048192
ORF Size:	2538 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218794).
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_001048192.2, NP_001041657.1
RefSeq Size:	3303 bp
RefSeq ORF:	2541 bp
Locus ID:	231093
UniProt ID:	Q09M02
Cytogenetics:	5 B1

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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 (PubMed:20519502, PubMed:21074048). 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 (PubMed:25103237). Mediates deglutamylation of CGAS, regulating the antiviral activity of CGAS (PubMed:26829768).[UniProtKB/Swiss-Prot Function]