Product datasheet for MR210733L3V

Afg3l2 (NM_027130) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Afg3l2 (NM_027130) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Afg3l2
Synonyms:	2310036I02Rik; AW260507; Emv66; par
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_027130
ORF Size:	2412 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210733).
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_027130.1, NP_081406.1
RefSeq Size:	3086 bp
RefSeq ORF:	2409 bp
Locus ID:	69597
UniProt ID:	Q8JZQ2
Cytogenetics:	18 E1

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Gene Summary: ATP-dependent protease which is essential for axonal and neuron development (PubMed:18337413, PubMed:27642048). In neurons, mediates degradation of SMDT1/EMRE before its assembly with the uniporter complex, limiting the availability of SMDT1/EMRE for MCU assembly and promoting efficient assembly of gatekeeper subunits with MCU (By similarity). Required for the maturation of paraplegin (SPG7) after its cleavage by mitochondrial-processing peptidase (MPP), converting it into a proteolytically active mature form.[UniProtKB/Swiss-Prot Function]