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Product datasheet for MR215360L4V

Lrrc32 (NM_001113379) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Lrrc32 (NM_001113379) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Lrrc32
Synonyms:	AI426318; D7H11S833E; D11S833Eh; EG434215; Garp
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001113379
ORF Size:	1989 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR215360).`
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_001113379.1
RefSeq Size:	3817 bp
RefSeq ORF:	1992 bp
Locus ID:	434215
UniProt ID:	G3XA59
Cytogenetics:	7 53.86 cM

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Gene Summary: Key regulator of transforming growth factor beta (TGFB1, TGFB2 and TGFB3) that controls TGF-beta activation by maintaining it in a latent state during storage in extracellular space (PubMed:25127859). Associates specifically via disulfide bonds with the Latency-associated peptide (LAP), which is the regulatory chain of TGF-beta, and regulates integrin-dependent activation of TGF-beta (PubMed:25127859, PubMed:28912269). Able to outcompete LTBP1 for binding to LAP regulatory chain of TGF-beta (By similarity). Controls activation of TGF-beta-1 (TGFB1) on the surface of activated regulatory T-cells (Tregs) (PubMed:25127859). Required for epithelial fusion during palate development by regulating activation of TGF-beta-3 (TGFB3) (PubMed:28912269).[UniProtKB/Swiss-Prot Function]