

Product datasheet for **MR227478L4V**

lqgap1 (NM_016721) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	lqgap1 (NM_016721) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	lqgap1
Synonyms:	AA682088; D7Ertd237e; D7Ertd257e; mKIAA0051
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016721
ORF Size:	4971 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227478).
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_016721.2 , NP_057930.2
RefSeq Size:	7377 bp
RefSeq ORF:	4974 bp
Locus ID:	29875
UniProt ID:	Q9JKF1
Cytogenetics:	7 45.68 cM



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Gene Summary:

Plays a crucial role in regulating the dynamics and assembly of the actin cytoskeleton. Binds to activated CDC42 but does not stimulate its GTPase activity (PubMed:16968698). It associates with calmodulin. Could serve as an assembly scaffold for the organization of a multimolecular complex that would interface incoming signals to the reorganization of the actin cytoskeleton at the plasma membrane. May promote neurite outgrowth. May play a possible role in cell cycle regulation by contributing to cell cycle progression after DNA replication arrest.[UniProtKB/Swiss-Prot Function]