

Product datasheet for **MR225227L4V**

Dlc1 (NM_001194940) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dlc1 (NM_001194940) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dlc1
Synonyms:	A730069N07Rik; Arhgap7; dlc-1; HP; STARD12
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001194940
ORF Size:	4629 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225227).
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_001194940.2 , NP_001181869.1
RefSeq Size:	7636 bp
RefSeq ORF:	4632 bp
Locus ID:	50768
Cytogenetics:	8 23.05 cM



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Gene Summary:

Functions as a GTPase-activating protein for the small GTPases RHOA, RHOB, RHOC and CDC42, terminating their downstream signaling. This induces morphological changes and detachment through cytoskeletal reorganization, playing a critical role in biological processes such as cell migration and proliferation. Also functions in vivo as an activator of the phospholipase PLCD1. Active DLC1 increases cell migration velocity but reduces directionality (By similarity).[UniProtKB/Swiss-Prot Function]