

Product datasheet for **MR205873L2V**

Acta2 (NM_007392) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Acta2 (NM_007392) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Acta2
Synonyms:	0610041G09Rik; a-; a-SMA; Ac; Actvs; al; alphaSMA; SM; SMAalpha; SMalphaA
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_007392
ORF Size:	1134 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205873).
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_007392.2 , NP_031418.1
RefSeq Size:	2572 bp
RefSeq ORF:	1134 bp
Locus ID:	11475
UniProt ID:	P62737
Cytogenetics:	19 C1



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Gene Summary:

The protein encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in smooth muscle. [provided by RefSeq, Feb 2021]