

## Product datasheet for **RC200497L4V**

### Actin Regulatory Protein CAPG (CAPG) (NM\_001747) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Actin Regulatory Protein CAPG (CAPG) (NM_001747) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Actin Regulatory Protein CAPG
Synonyms:	AFCP; HEL-S-66; MCP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001747
ORF Size:	1044 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200497).
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. <a href="#">More info</a>
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:	<a href="#">NM_001747.2</a>
RefSeq Size:	1604 bp
RefSeq ORF:	1047 bp
Locus ID:	822
UniProt ID:	<a href="#">P40121</a>
Cytogenetics:	2p11.2
Domains:	GEL, Gelsolin



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**MW:** 38.5 kDa

**Gene Summary:** This gene encodes a member of the gelsolin/villin family of actin-regulatory proteins. The encoded protein reversibly blocks the barbed ends of F-actin filaments in a Ca<sup>2+</sup> and phosphoinositide-regulated manner, but does not sever preformed actin filaments. By capping the barbed ends of actin filaments, the encoded protein contributes to the control of actin-based motility in non-muscle cells. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jan 2012]