Product datasheet for MR225388L4V

Cfl1 (NM_007687) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cfl1 (NM_007687) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cfl1
Synonyms:	AA959946; Cof
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007687
ORF Size:	498 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225388).
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_007687.5, NP_031713.1
RefSeq Size:	1196 bp
RefSeq ORF:	501 bp
Locus ID:	12631
UniProt ID:	P18760
Cytogenetics:	19 A

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Gene Summary: Binds to F-actin and exhibits pH-sensitive F-actin depolymerizing activity (PubMed:11809832). Regulates actin cytoskeleton dynamics. Important for normal progress through mitosis and normal cytokinesis. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required for the up-regulation of atypical chemokine receptor ACKR2 from endosomal compartment to cell membrane, increasing its efficiency in chemokine uptake and degradation (By similarity). Required for neural tube morphogenesis and neural crest cell migration (PubMed:15649475).[UniProtKB/Swiss-Prot Function]