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Product datasheet for RC205105L4V

Cofilin 2 (CFL2) (NM_021914) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cofilin 2 (CFL2) (NM_021914) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cofilin 2
Synonyms:	NEM7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021914
ORF Size:	498 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC205105).`
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_021914.5
RefSeq Size:	3125 bp
RefSeq ORF:	501 bp
Locus ID:	1073
UniProt ID:	Q9Y281
Cytogenetics:	14q13.1
Domains:	ADF
Protein Families:	Druggable Genome

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Protein Pathways: Axon guidance, Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton

MW: 18.7 kDa

Gene Summary: This gene encodes an intracellular protein that is involved in the regulation of actin-filament dynamics. This protein is a major component of intranuclear and cytoplasmic actin rods. It can bind G- and F-actin in a 1:1 ratio of cofilin to actin, and it reversibly controls actin polymerization and depolymerization in a pH-dependent manner. Mutations in this gene cause nemaline myopathy type 7, a form of congenital myopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2009]