

Product datasheet for **RC205105**

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

Product data:

Product Type: Expression Plasmids
Product Name: Cofilin 2 (CFL2) (NM_021914) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cofilin 2
Synonyms: NEM7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205105 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**

ATGGCTTCTGGAGTTACAGTGAATGATGAAGTCATCAAAGTTTTAATGATATGAAAGTAAGGAAATCTTCTACACAAGAGGAGATCAAAAAGAGAAAGAAAGCAGTTCTTCTGTAAAGCGATGACAAAAGACAAAT AATTGTAGAGGAAGCAAAGCAGATCTTGGTGGTGACATTGGTGATACTGTAGAGGACCCCTACACATCT TTTGTGAAGTTGCTACCTCTGAATGATTGCCGATATGCTTTGTACGATGCCACATACGAAACAAAAGAGT CTAAGAAAGAAGACCTAGTATTTATATTCTGGGCTCCTGAAAGTGCACCTTTAAAAGCAAGATGATTTA TGCTAGCTCTAAAGATGCCATTAAGAAAGAAATTTACAGGTATTAACATGAGTGGCAAGTAAATGGCTTG GATGATATTAAGGACCGTTCGACACTTGGAGAGAAATTTGGGAGGCAATGTAGTAGTTTCACTTGAAGGAA AACCATTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205105 protein sequence
Red=Cloning site Green=Tags(s)

MASGVTVNDEVIKVFNDMKVRSSTQEEIKKRKKAVLFLSDDKRQIIVEEAKQILVGDIGDVEDPYTS FVKLLPLNDCRYALYDATYETKESKKEDLVFIFWAPESAPLKSMMIYASSKDAIKKFTGIKHEWQVNGL DDIKDRSTLGEKLGNNVVSLEGKPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

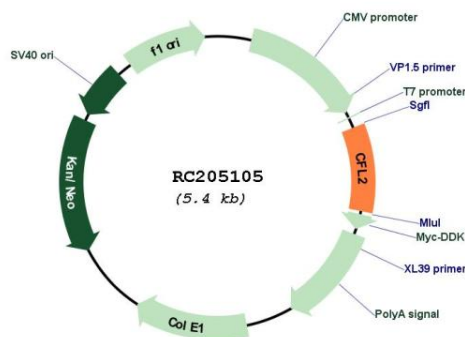
Chromatograms: https://cdn.origene.com/chromatograms/mk6067_a03.zip



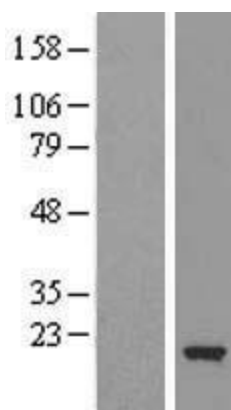
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Locus ID:	1073
UniProt ID:	Q9Y281
Cytogenetics:	14q13.1
Domains:	ADF
Protein Families:	Druggable Genome
Protein Pathways:	Axon guidance, Fc gamma R-mediated phagocytosis, Regulation of actin cytoskeleton
MW:	18.7 kDa
Gene Summary:	This gene encodes 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]

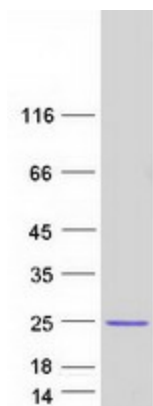
Product images:



Circular map for RC205105



Western blot validation of overexpression lysate (Cat# [LY411884]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205105 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CFL2 protein (Cat# [TP305105]). The protein was produced from HEK293T cells transfected with CFL2 cDNA clone (Cat# RC205105) using MegaTran 2.0 (Cat# [TT210002]).