

Product datasheet for RC207366L4

OriGene Technologies, Inc.

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Profilin 2 (PFN2) (NM_053024) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Profilin 2 (PFN2) (NM_053024) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Profilin 2

Synonyms: D3S1319E; PFL

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clo

Sequence:

The ORF insert of this clone is exactly the same as(RC207366).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_053024

ORF Size: 420 bp





Profilin 2 (PFN2) (NM_053024) Human Tagged Lenti ORF Clone - RC207366L4

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 053024.2</u>

RefSeq Size: 2117 bp

RefSeq ORF: 423 bp

Locus ID: 5217

UniProt ID: P35080

Cytogenetics: 3q25.1

Domains: PROF

Protein Families: Druggable Genome

Protein Pathways: Regulation of actin cytoskeleton

MW: 15 kDa

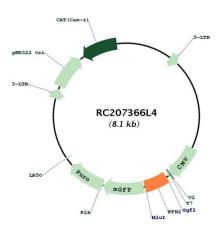
Gene Summary: The protein encoded by this gene is a ubiquitous actin monomer-binding protein belonging

to the profilin family. It is thought to regulate actin polymerization in response to extracellular signals. There are two alternatively spliced transcript variants encoding different isoforms

described for this gene. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC207366L4