

Product datasheet for **RC216366**

PPFIA4 (NM_015053) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPFIA4 (NM_015053) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPFIA4
Synonyms:	Liprin-alpha4; liprin alpha4; protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC216366 representing NM_015053
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
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Protein Sequence: >RC216366 representing NM_015053
Red=Cloning site Green=Tags(s)

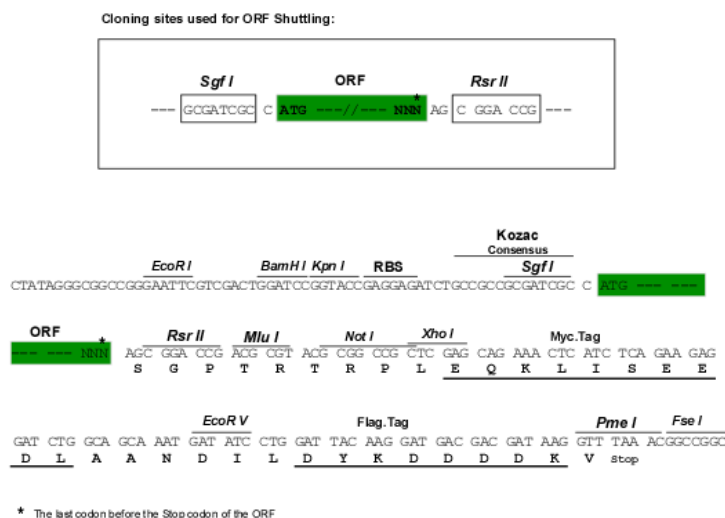
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FRRAPSWRKRFRPREHHGRGGMLSASAE TLPAGFRVSTLGTLP PPPAPPKKIMPEAHSHYLYGHMLSAFR
D

SGPTRRRL EOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3958_h01.zip

Restriction Sites: Sgfl-RsrII

Cloning Scheme:



ACCN: NM 015053

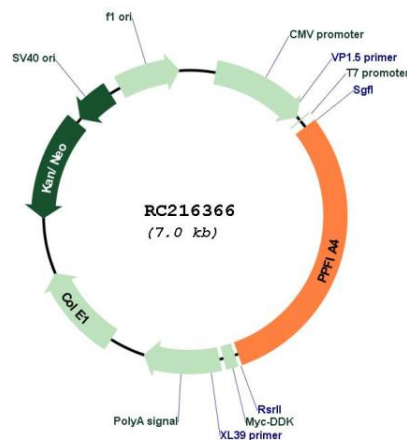
ORF Size: 2103 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_015053.1, NP_055868.1</u>
RefSeq Size:	5055 bp
RefSeq ORF:	2106 bp
Locus ID:	8497
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome, Phosphatase
MW:	77.9 kDa
Gene Summary:	PPFIA4, or liprin-alpha-4, belongs to the liprin-alpha gene family. See liprin-alpha-1 (LIP1, or PPFIA1; MIM 611054) for background on liprins.[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC216366