

Product datasheet for **RG239971**

Liprin alpha 2 (PPFIA2) (NM_001282536) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Liprin alpha 2 (PPFIA2) (NM_001282536) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Liprin alpha 2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG239971 representing NM_001282536. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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GCCTCTGTACAGCTTCATCGCTGGCCAGTTCATCTCCCCCAGTGGACTCAACTCCAAAGCTCACC
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG239971
 Blue=ORF Red=Cloning site Green=Tag(s)

MTVVKRQAQSPSGVSSEVEVLKALKSLFEHHKALDEKVRERLRLVSLERVSALAEELAAANQEIVALREQ
 NVHIQRKMASSEGSTESEHLEGMPEQKVHEKRLSNGSIDSTDETSQIVELQELLEKQNYEMAQMKERL
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 SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001282536

ORF Size: 3312 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).

RefSeq: [NM_001282536.1](#), [NP_001269465.1](#)

RefSeq Size: 5298 bp

RefSeq ORF: 3315 bp

Locus ID: 8499

Cytogenetics: 12q21.31

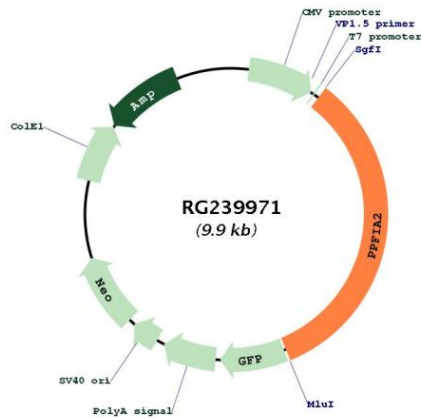
Protein Families: Druggable Genome

MW: 126.4 kDa

Gene Summary:

The protein encoded by this gene is a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family. Liprins interact with members of LAR family of transmembrane protein tyrosine phosphatases, which are known to be important for axon guidance and mammary gland development. It has been proposed that liprins are multivalent proteins that form complex structures and act as scaffolds for the recruitment and anchoring of LAR family of tyrosine phosphatases. This protein has been shown to bind the calcium/calmodulin-dependent serine protein kinase (MAGUK family) protein (also known as CASK) and proposed to regulate higher-order brain functions in mammals. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Product images:



Circular map for RG239971