

Product datasheet for **SC315314**

Liprin alpha 2 (PPFIA2) (NM_003625) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Liprin alpha 2 (PPFIA2) (NM_003625) Human Untagged Clone
Tag:	Tag Free
Symbol:	Liprin alpha 2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315314 representing NM_003625. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
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 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_003625
- Insert Size:** 3774 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:	<ol style="list-style-type: none">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_003625.4</u>
RefSeq Size:	5654 bp
RefSeq ORF:	3774 bp
Locus ID:	8499
UniProt ID:	<u>O75334</u>
Cytogenetics:	12q21.31
Domains:	SAM
Protein Families:	Druggable Genome
MW:	143.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p>