

Product datasheet for **SC326277**

Lipin 2 (LPIN2) (NM_014646) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Lipin 2 (LPIN2) (NM_014646) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | LPIN2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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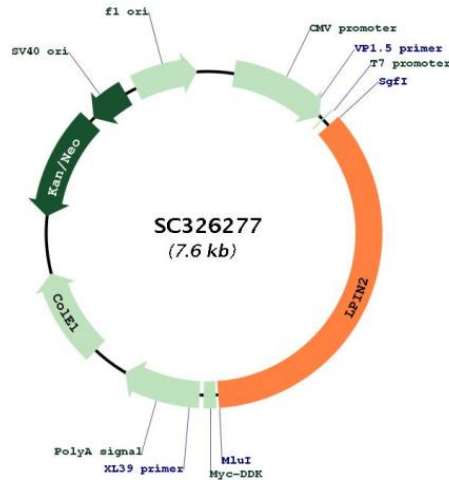
Fully Sequenced ORF: >SC326277 representing NM_014646.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGAATTATGTGGACAGCTGGCTGGGCAGGTGATTGTCACTGTGAAGGAAGCTACAAGGGCATTAAAC
 CAGGCCACCCTCTCTGGGTGCATTGATGTCATCGTGGTACAGCAGCAGGATGGCAGCTATCAGTGTTC
 CCTTTTACAGTTCGGTTTGGAAAAGCTGGGAGTCCCTGAGATCCAAAAGAGAAAAGTGATTGATATAGAAATC
 AACGGCAGTGCAGTGGATCTTCACATGAAGTTGGGTGATAACGGGAGAAGCTTTCTTTGTTGAGGAGACT
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ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: Sgfl-Mlul

Plasmid Map:



ACCN: NM_014646

Insert Size: 2691 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:
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: [NM_014646.2](#)

RefSeq Size: 6245 bp

RefSeq ORF: 2691 bp

Locus ID: 9663

UniProt ID: [Q92539](#)

Cytogenetics: 18p11.31

Domains: lipin_N

MW: 99.4 kDa

Gene Summary: Mouse studies suggest that this gene functions during normal adipose tissue development and may play a role in human triglyceride metabolism. This gene represents a candidate gene for human lipodystrophy, characterized by loss of body fat, fatty liver, hypertriglyceridemia, and insulin resistance. [provided by RefSeq, Jul 2008]