

Product datasheet for SC316931

LIPN (NM_001102469) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIPN (NM_001102469) Human Untagged Clone
Tag:	Tag Free
Symbol:	LIPN
Synonyms:	ARCI8; bA186O14.3; LI4; LIPL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316931 representing NM_001102469. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGTGGCTGCTTTTAAACAACACTTGTGATCTGTGGAACCTTAAATGCTGGTGGATTCTTGTAT
TTGGAAAATGAAGTGAATCCTGAGGTGTGGATGAATACTAGTGAATCATCATCTACAATGGCTACCCC
AGTGAAGAGTATGAAGTCAACACTGAAGATGGGTATATACTCCTGTCAACAGAATTCCTTATGGCGCA
ACACATGCTAGGAGCACAGGTCCCGGCCAGTTGTGTATATGCAGCATGCCCTGTTGCAGACAATGCC
TACTGGCTTGAGAATTATGCTAATGGAAGCCTTGGATTCTTCTAGCAGATGCAGTTATGATGTATGG
ATGGGAAACAGTCGGGAAACACTTGGTCAAGAAGACACAAACACTCTCAGAGACAGATGAGAAATTC
TGGGCCTTTAGTTTTGATGAAATGGCCAAATATGATCTCCAGGAGTAATAGACTTCATTGTAAATAAA
ACTGGTCAGGAGAAATTGTATTTTATTGGACATTCACCTTGGCACTACAATAGGGTTTGTAGCCTTTTCC
ACCATGCTGAACCTGGCACAAGAATCAAAATGAATTTTGCCTTGGGTCTACGATCTCATTCAAATAT
CCCACGGGCATTTTACCAGGTTTTTCTACTTCCAAATTCATAATCAAGGCTGTTTTTGGTACCAAA
GGTTTCTTTTGAAGATAAGAAAACGAAGATAGCTTCTACCAAAATCTGCAACAATAAGATACTCTGG
TTGATATGTAGCGAATTTATGTCCTTATGGGCTGGATCCAACAAGAAAAATGAATCAGAGTCGAATG
GATGTGTATATGTCACATGCTCCCACTGGTTCATCAGTACACAACATTCTGCATATAAACAGCTTTAC
CACTCTGATGAATTCAGAGCTTATGACTGGGAAATGACGCTGATAATATGAAACATTACAATCAGAGT
CATCCCCCTATATGACCTGACTGCCATGAAAGTGCCTACTGCTATTTGGGCTGGTGGACATGATGTC
CTCGTAACACCCAGGATGTGGCCAGGATACTCCCTCAAATCAAGAGTCTTCATTACTTTAAGCTATTG
CCAGATTGGAACCACTTTGATTTTGTCTGGGCTCGATGCCCTCAACGGATGTACAGTGAATCATA
GCTTTAATGAAGCATATTCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI



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ACCN:	NM_001102469
Insert Size:	1197 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:	<u>NM_001102469.1</u>
RefSeq Size:	1197 bp
RefSeq ORF:	1197 bp
Locus ID:	643418
UniProt ID:	<u>Q5VXI9</u>
Cytogenetics:	10q23.31
MW:	45.5 kDa
Gene Summary:	The gene encodes a lipase that is highly expressed in granular keratinocytes in the epidermis, and plays a role in the differentiation of keratinocytes. Mutations in this gene are associated with lamellar ichthyosis type 4. [provided by RefSeq, Dec 2011]