

Product datasheet for **SC321635**

LCN1 (NM_002297) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LCN1 (NM_002297) Human Untagged Clone
Tag: Tag Free
Symbol: LCN1
Synonyms: PMFA; TLC; TP; VEGP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002297.2
 GGGGAGCCTCTCCAGCCCCAGCAAGCGACCTGTCAGGCGCCGTGGACTCAGACTCCGG
 AGATGAAGCCCCTGCTCCTGGCCGTCAGCCTTGGCCTCATTGCTGCCCTGCAGGCCACCC
 ACCTCCTGGCCTCAGACGAGGAGATTGAGGATGTGTCAGGGACGTGGTATCTGAAGGCCA
 TGACGGTGGACAGGGAGTTCCCTGAGATGAATCTGGAATCGGTGACACCCATGACCTCA
 CGACCCTGGAAGGGGCAACCTGGAAGCCAAGGTACCATGCTGATAAGTGGCCGGTGC
 AGGAGGTGAAGGCCGCTCCTGGAGAAAAGTACGAGCCGGGAAAATACACGGCCGACGGGG
 GCAAGCACGTGGCATAACATCAGGTCGCACGTGAAGGACCACTACATCTTTACTGTG
 AGGGCGAGCTGCACGGGAAGCCGGTCCGAGGGGTGAAGCTCGTGGGCAGAGACCCCAAGA
 ACAACCTGGAAGCCTTGGAGGACTTTGAGAAAGCCGAGGAGCCCGGGACTCAGCACGG
 AGAGCATCCTCATCCCCAGGCAGAGCGAAACCTGCTCTCCAGGGAGCGATTAGGGGCAGG
 GGACACCTTGGCTCCTCAGCAGCCCAAGGACGGCACCATCCAGCACCTCCGTCATTACACA
 GGGACATGGAAAAAGCTCCCCACCCCTGCAGAACGCGGCTGGCTGCACCCCTTCTACCA
 CCCCCGCTTCCCCCTGCCCTGCGCCCTCTCTCTGGTTCTCCATAAAGAGCTTCAGCA
 GCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002297

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).



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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:	NM_002297.2 , NP_002288.1
RefSeq Size:	786 bp
RefSeq ORF:	531 bp
Locus ID:	3933
UniProt ID:	P31025
Cytogenetics:	9q34.3
Protein Families:	Secreted Protein
Gene Summary:	<p>This gene encodes a member of the lipocalin family of small secretory proteins. Lipocalins are extracellular transport proteins that bind to a variety of hydrophobic ligands. The encoded protein is the primary lipid binding protein in tears and is overproduced in response to multiple stimuli including infection and stress. The encoded protein may be a marker for chromosome aneuploidy as well as an autoantigen in Sjogren's syndrome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and two pseudogenes of this gene are also located on the long arm of chromosome 9. [provided by RefSeq, Nov 2011]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the shortest isoform (1). Variants 1 and 2 encode the same isoform.</p>