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Product datasheet for SC332205

LCN1 (NM_001252619) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LCN1 (NM_001252619) Human Untagged Clone
Tag:	Tag Free
Symbol:	LCN1
Synonyms:	PMFA; TLC; TP; VEGP
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332205 representing NM_001252619. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGAAGCCCCTGCTCCTGGCCGTCAGCCTTGGCCTCATTGCTGCCCTGCAGGCCCACCACCTCCTGGCC TCAGACGAGGAGATTCAGGATGTGTCAGGGACGTGGTATCTGAAGGCCATGACGGTGGACAGGGAGTTC CCTGAGATGAATCTGGAATCGGTGACACCCATGACCCTCACGACCCTGGAAGGGGGCAACCTGGAAGCC AAGGTCACCATGCTGATAAGTGGCCGGTGCCAGGAGGTGAAGGCCGTCCTGGAGAAAACTGACGAGCCG GGAAAATACACGGCCGACGGGGGCAAGCACGTGGCATACATCATCAGGTCGCACGTGAAGGACCACTAC ATCTTTTACTGTGAGGGCGAGCTGCACGGGAAGCCGGTCCGAGGGGCAGAGACCCCAAGAACAACCTGG AAGCCTTGGAGGACTTTGAGAAAGCCGCAGGAGCCCGCGGACTCAGCACGGAGAGCATCCTCATCCCCA GGCAGAGCGAAACCTGCTCTCCAGGGAGCGATTAGGGGCAGGGGACACCTTGGCTCCTCAGCAGCCCAA GGACGGCACCATCCAGCACCTCCGTCATTCACAGGGACATGGAAAAAGCTCCCCACCCCTGCAGAACGC GGCTGGCTGCACCCCTTCCTACCACCCCCCGCCTTCCCCCTGCCCTGCGCCCCCTCTCCTGGTTCTCCA TAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001252619
Insert Size:	693 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).
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).

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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_001252619.1
RefSeq Size:	776 bp
RefSeq ORF:	693 bp
Locus ID:	3933
UniProt ID:	P31025
Cytogenetics:	9q34.3
Protein Families:	Secreted Protein
MW:	25.1 kDa
Gene Summary:	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] Transcript Variant: This variant (4) uses an alternate splice site in the 3' coding region, which results in a translational frameshift, compared to variant 1. The encoded isoform (3) is longer and has a distinct C-terminus, compared to isoform 1.