


Product datasheet for **SC307188**

LCN8 (NM_178469) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LCN8 (NM_178469) Human Untagged Clone
Tag:	Tag Free
Symbol:	LCN8
Synonyms:	EP17; LCN5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307188 representing NM_178469. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGGAGGAGCTGGACCGCAGAAGATTGGAGGATTCTGGAGGGAAGTCGGTGTGGCCTCCGATCAAAGC
CTGGTGTGACGGCCCCGAAGCGGGTGGAGGGCTTGTTCCTCACCTTGAGCGGGAGTAACCTGACCGTG
AAGTTGCATATAACAGCTCAGGAAGCTGTGAGATAGAGAAGATCGTGGGCTCAGAAATAGACAGTACG
GGAAAATTCGCTTTTCTGGCCACAGAGAGATCCACGTGCTGGACACCGACTACGAGGGCTACGCCATC
CTGCGGGTGTCCCTGATGTGGCGGGCAGGAACTTTCGCGTCTCAAGTACTTTACTCGGAGCCTTGAG
GACAAGGACCGGCTGGGGTTCTGGAAGTTTCGGGAGCTGACAGCAGACACTGGTCTCTACCTGGCGGC
CGGCCTGGGCGGTGTGCCGAGCTCTGAAGGAGGAGCTGATTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	
ACCN:	NM_178469
Insert Size:	459 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).



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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_178469.3
RefSeq Size:	918 bp
RefSeq ORF:	459 bp
Locus ID:	138307
UniProt ID:	Q6JVE9
Cytogenetics:	9q34.3
Protein Families:	Secreted Protein
MW:	17.3 kDa
Gene Summary:	<p>Members of the lipocalin family, such as LCN8, have a common structure consisting of an 8-stranded antiparallel beta-barrel that forms a cup-shaped ligand-binding pocket or calyx. Lipocalins generally bind small hydrophobic ligands and transport them to specific cells (Suzuki et al., 2004 [PubMed 15363845]).[supplied by OMIM, Aug 2009]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.</p>