

Product datasheet for SC317298

LCN10 (NM 001001712) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: LCN10 (NM_001001712) Human Untagged Clone

Tag: Tag Free Symbol: LCN10

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-Entry (PS100001) E. coli Selection: Kanamycin (25 ug/mL)

>SC317298 representing NM_001001712. **Fully Sequenced ORF:**

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

GTGCAGGAGTGGTACCCCAGGGAGTCCCACGCCCTCAACTGGAACAAGTTTTCAGGGTTCTGGTACATT CTGGCCACTGCCACTGATGCCCAGGGATTCTTGCCGGCCAGGGACAAGAGGAAGCTGGGGGGCGTCCGTG GTAAAGGTGAACAAAGTGGGCCAGCTCCGCGTGCTCCTCGCCTTCAGACGGTTGAAGGGGTGCCAGTCC CAGGAGGTGATCCTGAGGAAAGACGGGAAGAAGCCGGTGTTTGGGAACGCCTGTGCATACGCGGCGGGC CCGAGGGAAGGACAGGAGGGAGTGAAAGGGGTGAAGGCCTTCCACGTGCTGTCCACTGACTACAGCTAC GGCTTGGTCTACCTCCGCCTGGGGCGTGCAACCCAAAACTACAAGAACCTGCTGCTCTTCCATAGGCAG AATGTTTCGAGCTTCCAGAGTCTGAAGGAATTCATGGACGCTTGTGACATTCTGGGGCTCTCCAAGGCC

GCCGTCATCCTCCCGAAAGACGCGTCCCGTACACACACCATCCTGCCATGA

AGCGGACCGACGCGTACGCGGCCCCCCGAGCAGAAACTCATCTCAGAAGAGAGATCTGGCAGCAAATGAT

ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-RsrII

Plasmid Map:

ACCN: NM 001001712

Insert Size: 603 bp

Our molecular clone sequence data has been matched to the reference identifier above as a **OTI Disclaimer:**

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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LCN10 (NM_001001712) Human Untagged Clone - SC317298

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 001001712.2</u>

RefSeq Size: 2047 bp
RefSeq ORF: 603 bp
Locus ID: 414332
UniProt ID: Q6JVE6
Cytogenetics: 9q34.3

Protein Families: Secreted Protein, Transmembrane

MW: 22.2 kDa

Gene Summary: Members of the lipocalin family, such as LCN10, 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]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the

transcript record were based on alignments.