

Product datasheet for **SC125944**

LCN12 (NM_178536) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LCN12 (NM_178536) Human Untagged Clone
Tag:	Tag Free
Symbol:	LCN12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_178536 edited
 GCAGCTGCCAGGATGAGGCTGCTGTGTGGCCTGTGGCTGTGGCTCTCCTTGTGAAAAGTC
 CTGCAGGCCAGACCCCAACCCCTGCCACTCCC GCCCCGATGCAGAGCTTCCAAGGA
 AACAGTTCCAGGGGGAATGGTTCGTCTGGCCCTGGCGGCAACAGCTTCAGGCCGGAG
 CACAGGGCGTGTGAACGCTTTCACCGCACTTTTGGCTAAGTGATGATGGCCGCTTT
 GAGGTGTGGAATGCGATGACTCGAGGCCAGCACTGTGACACATGGTCTTATGTGCTGATA
 CCGGCAGCCAGCCTGGGCAGTTCAGTGTGGACCACGGTGTGGAGCCCGGGCGGACAGA
 GAGGAGACCCGGGTGGTGGACAGCGACTACACCCAGTTCGCCCTGATGCTGTCCCGCAGA
 CACACGAGCAGGCTGGCCGTCTCAGGATCAGCCTGCTGGGCAGGAGCTGGTTGTGCTCT
 CCCGGGACGCTGGACCAGTTCATCTGCCTGGGCAGAGCTCAGGGCCTCTCGGATGACAAC
 ATTGTCTTCCAGATGTGACTGGTAACATGGTTCACCTGCAGGCATGCTGGGCAGTAGGC
 ACGGGGCCCGCAGGAATGAGTTTGGTTGACCCTAGAGGAGCTGGACCCAGTGTCTACCCA
 GGGAGCTCAGCCCAGCCTGCGCTCAGGGGTCTCCAGGCTCCTGGGTCCCTGTGCTCAAC
 CCAGGCTCTGAGCCACCTCCTGCCGCCCGGGTCCCCTGTCTGGGCCACCTCCTCCAC
 CCCGGGTCTCCTGTCCCGGGCCACTCCTCCCGCCCAGGTCCCCTGTCCCGGGCCACCT
 CCCCTGCCCTCCC GCCCAGGTCCTCCTGCCGCCACCTCCTCCCACCCCGGGTCT
 CCTGTCTGGGCTACCTCCTCCCACCCAGGTCCTCCTGTCCCGGGCCATCTCCTCCTCT
 GGGTCCCCTGTCTGGGCCACCTCCTCCCCTCACCCATCCCTGTCTCACAAGGAGCTTGA
 CTCATCCCAGGAGGTGCCCTGGACCTCAGCAGCCTGCCCTGGGTGGCAGCCCCAGCCTGA
 CCACTCAGACAGCCGGGCCCAAGGCCCTGACTTCTTGTGGGAGGGCGAGGTGAGCT
 TGAGTCCCTCCTTCTTGGAGGATGCCACCGTGCCCTTCTGATTCGGCCTCTGGTC
 CTTTACATGTGCATAACCACATGCACACACTCACGCATGAGCAAACGTGTACAGACTG
 GCACATGCCTCCACATGCGAACACCCACTTACACACAGCCACTCACACTGGCACACATG
 CTGTCTACCCGTGCACAGGCACAGTGTGGTCTGCACACACTGCACACACTGCACAC
 TCGCTATGCCAGGCTCCTGGGTCTGCAGTGAGTCTGGGGGCCATGGGGACAGGGACAG
 GTGAGGGGCTTCTGAGGACCTGGGGCTGTTGGGAGCCGCTGTGGGCCACATCTTCTGCC
 CCTTCTCAGCCTCCCTCACCCAGCCCTTCCCCTAGACCCACTGCTGGTCCCCTTTCTC
 CCTCTGCTTCTCACCTGAAGCCACTGCCCTCCTTTGTGCCCTCCCTTGTCTCCTCT
 GGGCTCTGTCCCCTGTCCCCTTTGTCTCCATCCCGACTCCATCTCCCCACCAGGCT
 GGTCAACCCAGGCCAGCCTGTGTTGAAGGATGAAGCAGCTCCTGTCCGGCCAGCCCTGC
 CTCACAGCTGTGGGAGCTGTGCCCTCCTCAGCTCTCAAACCTGAATAAATGCACCAAGCC
 CAGAA
 A

5' Read Nucleotide Sequence: >OriGene 5' read for NM_178536 unedited
 NGGGGTCAAATTTGTAACGACTCATATAGGGCGGCCGGAATCAGATCTGGTACCGGTC
 CGGAATCCC GGATGCAGCTGCCAGGATGAGGCTGCTGTGTGGCCTGTGGCTGTGGCTC
 TCCTTGTGAAAAGTCTGCAGGCCAGACCCCAACCCCTGCCACTCCC GCCCCGATG
 CAGAGCTTCCAAGGAAACAGTTCAGGGGGAATGGTTCGTCTGGCCCTGGCGGCAAC
 AGCTTCAGGCCGAGCACAGGGCCTGCTGAACGCTTTCACCGCAACTTTTGGCTAAGT
 GATGATGGCCGCTTTGAGGTGTGGAATGCGATGACTCGAGGCCAGCACTGTGACACATGG
 TCTTATGTGCTGATACCGGCAGCCAGCCTGGGCAGTTCAGTGTGGACCAGGTGTGGAG
 CCCGGGGCGGACAGAGAGGAGACCCGGTGGTGGACAGCGACTACACCCAGTTCGCCCTG
 ATGCTGTCCCGCAGACACAGCAGGCTGGCCGTCTCAGGATCAGCCTGCTGGGCAGG
 AGCTGGTGTGCTCCTCCCGGACGCTGGACCAGTTCATCTGCCTGGGCAGAGCTCAGGGC
 CTCTCGGATGACAACATTGTCTTCCCAGATGTGACTGGTAACATGGTTCACCTGCAGGCA
 TGCTGGCAGTAGGCACGGGGCCCGCAGGAATGAGTTTGGTTGACCCTAGAGGAGCTGGA
 CCCAGTGTCTACCCAGGAGCTCAGCCAGCCTGCGCTCAGGGGTCTCCAAGCTCTGG
 GTCCCTGTGCTCAAACCCAGCTCTGAGCCACTTCTGCCGCCCGGGGTACACTGTCTGT
 GGCCACTCCTTCCACCCCGGTCT

Restriction Sites: NotI-NotI

ACCN:	NM_178536
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).
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_178536.2 , NP_848631.1
RefSeq Size:	1861 bp
RefSeq ORF:	1068 bp
Locus ID:	286256
UniProt ID:	Q6JVE5
Cytogenetics:	9q34.3
Protein Families:	Secreted Protein
Gene Summary:	Members of the lipocalin family, such as LCN12, 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]