

Product datasheet for **SC201739**

NGAL (LCN2) (NM_005564) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	NGAL (LCN2) (NM_005564) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	LCN2
Synonyms:	24p3; MSFI; NGAL; p25
ACCN:	NM_005564
Insert Size:	180 bp
Insert Sequence:	>SC201739 3'UTR clone of NM_005564 The sequence shown below is from the reference sequence of NM_005564. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GTCCCAATCGACCAGTGTATCGACGGCTGAGTGCACAGGTGCCGCCAGCTGCCGCACCAGCCCGAACAC CATTGAGGGAGCTGGGAGACCTCCCCACAGTGCCACCCATGCAGCTGCTCCCCAGGCCACCCCGCTGA TGGAGCCCCACCTTGCTGCTAAATAAACATGTGCCCTCAGG ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_005564.5</u>



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Summary:

This gene encodes a protein that belongs to the lipocalin family. Members of this family transport small hydrophobic molecules such as lipids, steroid hormones and retinoids. The protein encoded by this gene is a neutrophil gelatinase-associated lipocalin and plays a role in innate immunity by limiting bacterial growth as a result of sequestering iron-containing siderophores. The presence of this protein in blood and urine is an early biomarker of acute kidney injury. This protein is thought to be involved in multiple cellular processes, including maintenance of skin homeostasis, and suppression of invasiveness and metastasis. Mice lacking this gene are more susceptible to bacterial infection than wild type mice. [provided by RefSeq, Sep 2015]

Locus ID:

3934

MW:

6.9