

Product datasheet for **SC209166**

Lumican (LUM) (NM_002345) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Lumican (LUM) (NM_002345) Human 3' UTR Clone
Symbol:	Lumican
Synonyms:	LDC; SLRR2D
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002345
Insert Size:	1566 bp



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Insert Sequence: >SC209166 3'UTR clone of NM_002345
The sequence shown below is from the reference sequence of NM_002345. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGTGTTGCTAACGAAGTCACTCTTAATTAATATCTGTATCTGGAACAATATTTTATGGTTATGTTTTT
CTGTGTGTCAGTTTTCATAGTATCCATATTTTATTACTGTTTATTACTTCCATGAATTTTAAATCTGA
GGGAAATGTTTTGTAAACATTTATTTTTTTTAAAGAAAAGATGAAAGGCAGGCCTATTTTCATCACAAGA
ACACACACATATACGAATAGACATCAAACCTCAATGCTTTATTTGTAAATTTAGTGTTTTTTATTTTC
TACTGTCAAATGATGTGCAAAACCTTTTACTGGTTGCATGGAAATCAGCCAAGTTTTATAATCCTTAAA
TCTTAATGTTCTCAAAGCTTGGATTAATACATATGGATGTTACTCTCTTGACCAAATTATCTTGAT
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AGCTTCATGCACTTAAAGAAGTATTTTTAGAATAAGAATTTGCATACTTACCTAGTGAAACTTTCTAG
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ATAGGATTTTCCACTAAATAATTTGTCTACTTCTAGCATTCACTTACAAAGAGTTCTTAAAAACCTTA
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AAAATGTTTTAACACACCACTTTTGTGAACTCTATCTTATGGTACAGCGGCCTTTTCATCAGAGGATCA
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TTTTTCATGAGTTTTCTACATTAAGGTAAATTCCTTAGAGTGTGATAGCAGCCTCAGTTTATTTGTTGGT
TTAACTTGAAATCTACTTTTTCTCGATAAACTATAATGTAGATGAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-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: NM_002345.4

Summary:	This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family that includes decorin, biglycan, fibromodulin, keratocan, epiphykan, and osteoglycin. In these bifunctional molecules, the protein moiety binds collagen fibrils and the highly charged hydrophilic glycosaminoglycans regulate interfibrillar spacings. Lumican is the major keratan sulfate proteoglycan of the cornea but is also distributed in interstitial collagenous matrices throughout the body. Lumican may regulate collagen fibril organization and circumferential growth, corneal transparency, and epithelial cell migration and tissue repair. [provided by RefSeq, Jul 2008]
Locus ID:	4060
MW:	62.3