

## Product datasheet for **SC207222**

### Legumain (LGMN) (NM\_005606) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Legumain (LGMN) (NM\_005606) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** LGMN  
**Synonyms:** AEP; LGMN1; PRSC1  
**ACCN:** NM\_005606  
**Insert Size:** 540 bp  
**Insert Sequence:** >SC207222 3'UTR clone of NM\_005606  
The sequence shown below is from the reference sequence of NM\_005606. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGGACCACGTGTGCCTTGGTCACTACTGAGAGCTGCCTCCTGGAAGCTTTTCCAAGTGTGAGCGCCC
CACCGACTGTGTGCTGATCAGAGACTGGAGAGGTGGAGTGAGAAGTCTCCGCTGCTCGGGCCCTCCTGG
GGAGCCCCGCTCCAGGGCTCGCTCCAGGACCTTCTTCAAGATGACTTGTCTCGCTGTTACCTGCTTC
CCCAGTCTTTTCTGAAAACTACAAATTAGGGTGGAAAAAGCTCTGTATTGAGAAGGGTCATATTTGCT
TTCTAGGAGGTTTGTGTTTTGCCTGTTAGTTTTGAGGAGCAGGAAGCTCATGGGGCTTCTGTAGCCC
CTCTCAAAGGAGTCTTTATTCTGAGAATTTGAAGCTGAAACCTCTTAAATCTTCAGAATGATTTTAT
TGAAGAGGGCCGCAAGCCCCAAATGAAAACTGTTTTAGAAAATATGATGATTTTTGATTGCTTTTGT
ATTTAATTCTGCAGGTGTTCAAGTCTTAAAAAATAAGATTTATAACAGAACCCAAA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

**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\\_005606.7](#)



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**Summary:**

This gene encodes a cysteine protease that has a strict specificity for hydrolysis of asparaginyl bonds. This enzyme may be involved in the processing of bacterial peptides and endogenous proteins for MHC class II presentation in the lysosomal/endosomal systems. Enzyme activation is triggered by acidic pH and appears to be autocatalytic. Protein expression occurs after monocytes differentiate into dendritic cells. A fully mature, active enzyme is produced following lipopolysaccharide expression in mature dendritic cells. Overexpression of this gene may be associated with the majority of solid tumor types. This gene has a pseudogene on chromosome 13. Several alternatively spliced transcript variants have been described, but the biological validity of only two has been determined. These two variants encode the same isoform. [provided by RefSeq, Jul 2008]

**Locus ID:**

5641

**MW:**

20.1