

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
Symbol:	Legumain
Synonyms:	AEP; LGMN1; PRSC1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005606
Insert Size:	540 bp
Insert Sequence:	<p>>SC207222 3'UTR clone of NM_005606</p> <p>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.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
ATGGACCACGTGTGCCTTGCTCACTACTGAGAGCTGCCTCCTGGAAGCTTTTCCAAGTGTGAGCGCCC
CACCGACTGTGTGCTGATCAGAGACTGGAGAGGTGGAGTGAGAAGTCTCCGCTGCTCGGGCCCTCCTGG
GGAGCCCCGCTCCAGGGCTCGCTCCAGGACCTTCTTACAAGATGACTTGCTCGCTGTTACCTGCTTC
CCCAGTCTTTTCTGAAAACTACAAATTAGGGTGGGAAAAGCTCTGTATTGAGAAGGGTCATATTTGCT
TTCTAGGAGGTTTGTGTTTTGCCTGTTAGTTTTGAGGAGCAGGAAGCTCATGGGGGCTTCTGTAGCCC
CTCTCAAAAGGAGTCTTTATTCTGAGAATTTGAAGCTGAAACCTCTTTAAATCTTCAGAATGATTTTAT
TGAAGAGGGCCGCAAGCCCCAAATGAAAACTGTTTTAGAAAATATGATGATTTTTGATTGCTTTTGT
ATTTAATTCTGCAGGTGTTCAAGTCTTAAAAAATAAGATTTATAACAGAACCCAAA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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).


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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_005606.7</u>
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