

Product datasheet for SC205106

Cathepsin L (CTSL) (NM_145918) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cathepsin L (CTSL) (NM_145918) Human 3' UTR Clone
Symbol:	Cathepsin L
Synonyms:	CATL; CTSL1; MEP
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_145918
Insert Size:	392 bp
Insert Sequence:	<p>>SC205106 3'UTR clone of NM_145918 The sequence shown below is from the reference sequence of NM_145918. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GCCTCAGCAGCCAGCTACCCCACTGTGTGAGCTGGTGGACGGTGATGAGGAAGGACTTGACTGGGGATG GCGCATGCATGGGAGGAATTCATCTTCAGTCTACCAGCCCCGCTGTGTCGGATACACACTCGAATCAT TGAAGATCCGAGTGTGATTTGAATTCTGTGATATTTTCACACTGGTAAATGTTACCTCTATTTTAATTA CTGCTATAAATAGTTTTATATTATTGATCACTTACTGACTTTGCATTTTCGTTTTTAAAGGATGTAT AAATTTTACCTGTTTAAATAAAATTTAATTTCAAATGTAGTGGTGGGGCTTCTTTCTATTTTGTATGC ACTGAATTTTGTGTAATAAAGAACATAATTGGGCTCTAAGCCATAA ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
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.



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RefSeq: [NM_145918.3](#)

Summary: The protein encoded by this gene is a lysosomal cysteine proteinase that plays a major role in intracellular protein catabolism. Its substrates include collagen and elastin, as well as alpha-1 protease inhibitor, a major controlling element of neutrophil elastase activity. The encoded protein has been implicated in several pathologic processes, including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. This protein, which is a member of the peptidase C1 family, is a dimer composed of disulfide-linked heavy and light chains, both produced from a single protein precursor. Additionally, this protein cleaves the S1 subunit of the SARS-CoV-2 spike protein, which is necessary for entry of the virus into the cell. [provided by RefSeq, Aug 2020]

Locus ID: 1514

MW: 14.9