

Product datasheet for SC203961

Cystatin C (CST3) (NM_000099) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cystatin C (CST3) (NM_000099) Human 3' UTR Clone
Symbol:	Cystatin C
Synonyms:	ARMD11; HEL-S-2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000099
Insert Size:	289 bp
Insert Sequence:	<p>>SC203961 3'UTR clone of NM_000099</p> <p>The sequence shown below is from the reference sequence of NM_000099. 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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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
TTGTGCGAAATCCACCTGTCAGGACGCCAGGGTCTGTACCGGGCTGGCCTGTGCCTATCACCTCTTAT
GCACACCTCCACCCCTGTATTCCACCCCTGGACTGGTGGCCCTGCCTTGGGGAAGGTCTCCCAT
GTGCCTGCACAGGAGACAGACAGAGAAGGCAGCAGGCGGCTTTGTTGCTCAGCAAGGGCTCTGCC
TCCCTCCTTCTTCTTCTCATAGCCCCGGTGTGCGGTGCATACCCCCACCTCTGCAATAAAA
TAGTAGCATCGGC
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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).
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_000099.4</u>


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Summary:

The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions, where they appear to provide protective functions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes the most abundant extracellular inhibitor of cysteine proteases, which is found in high concentrations in biological fluids and is expressed in virtually all organs of the body. A mutation in this gene has been associated with amyloid angiopathy. Expression of this protein in vascular wall smooth muscle cells is severely reduced in both atherosclerotic and aneurysmal aortic lesions, establishing its role in vascular disease. In addition, this protein has been shown to have an antimicrobial function, inhibiting the replication of herpes simplex virus. Alternative splicing results in multiple transcript variants encoding a single protein. [provided by RefSeq, Nov 2014]

Locus ID:

1471

MW:

10.5