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Product datasheet for SC205539

Cystatin A (CSTA) (NM_005213) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Cystatin A
Synonyms:	AREI; PSS4; STF1; STFA
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005213
Insert Size:	405 bp
Insert Sequence:	>SC205539 3' UTR clone of NM_005213 The sequence shown below is from the reference sequence of NM_005213. The complete sequence of this clone may contain minor differences, such as SNPs. Red=Cloning site Blue=Stop Codon CAATTGGCAGAGCTCAGAATTCAAGCGATCGC CAAGGATGACGAGCTGACGGGCTTTTAGCAGCATGTACCCAAAGTGTTCTGATTCCTTCAACTGGCTACT GAGTCATGATCCTTGCTGATAAATATAACCATCAATAAAGAAGCATTCTTTTCCAAAGAAATTATTTCTT CAATTATTTCTCATTTATTGTATTAAGCAGAAATTACCTTTTCTTTCTCAAAATCAGTGTTATTGCTTTA GAGTATAAACTCCATATAAATTGATGGCAATTGGAAATCTTATAAAAACTAGTCAAGCCTAATGCAACTG GCTAAAGGATAGTACCACCCTCACCCCCACCATAGGCAGGCTGGATCGTGGACTATCAATTCACCAGCCT CCTTGTTCCCTGTGGCTGCTGATAACCCAACATTCCATCTCTACCCTCATACTTC ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_005213.3
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 kininogens. This gene encodes a stefin that functions as a cysteine protease inhibitor, forming tight complexes with papain and the cathepsins B, H, and L. The protein is one of the precursor proteins of cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. Stefins have been proposed as prognostic and diagnostic tools for cancer. [provided by RefSeq, Jul 2008]
Locus ID:	1475