

Product datasheet for **SC105226**

CST9 (AF494536) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CST9 (AF494536) Human Untagged Clone
Tag:	Tag Free
Symbol:	CST9
Synonyms:	CLM; CTES7A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC105226 sequence for AF494536 edited (data generated by NextGen Sequencing)

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ATGTCGAGTCCGCAGAGGAGGAAGGCTATGCCCTGGGCACTGTCCTTCTCATGGGC
TTCCAGCTCCTGGTGACTTATGCCTGGTGTCTGAAGAGGAAATGGGTGGTAATAATAAA
ATAGTCCAGGATCCTATGTTCTTCGCCACAGTGGAGTTTGCCTTGAACACTTTCAACGTG
CAGAGCAAGGAGGAGCATGCCTACAGGCTGTTGCGCGTCCTGAGTTCATGGAGGGAGGAT
AGCATGGACAGAAAGTGGCGAGGTAAGATGGTGTCTCCATGAATCTGCAACTGCGCCAA
ACCGTATGTAGGAAATTTGAAGATGACATTGACAACTGCCCTTTTCAAGAAAGCCTGGAG
CTGAACAACGTAAGACAGGGCATCAGCTTTCCTCAGGTCCACAGCTGTGGATGCTGCATG
GGGTGTGGTGTGGGCACAGGAGCAGCTGACAAAGCCATTCCGAGGGACAAAGGGAAGTGA
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Clone variation with respect to AF494536.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for AF494536 unedited TTTCCCCCGCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGC AGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGCGA ATTCGGCACGAGGGGGATCTGAAGGGCAAAGGCAAGGGCTGCTGGAGCCTGCATCATGTC GAGTCCGCAGAGGAGGAAGGCTATGCCCTGGGCACTGTCACTGCTTCTCATGGGCTTCCA GCTCCTGGTGACTTATGCCTGGTGTCTGAAGAGGAAATGGGTGGTAATAATAAAATAGT CCAGGATCCTATGTTCTTCGCCACAGTGGAGTTTGCCTTGAACACTTTCAACGTGCAGAG CAAGGAGGAGCATGCCTACAGGCTGTTGCGCGTCTGAGTTCATGGAGGGAGGATAGCAT GGACAGAAAGTGCGAGGTAAGATGGTGTCTCCATGAATCTGCAACTGCGCCAAACCGT ATGTAGGAAATTTGAAGATGACATTGACAACTGCCCTTTTCAAGAAAGCCTGGAGCTGAA CAACGTAAGACAGGGCATCAGCTTTCCTCAGGTCCACAGCTGTGGATGCTGCATGGGGTG TGGTGTGGGCACAGGAGCAGCTGANCAAGCCATTCGAGGGACAAAGGGAAGTGAGCCCA CAGCAGGCTGTACCAGGCTGCCCTGTTTGTGCCTTAGTGGGAAGCCAGTGAGGCATTAA GCCCAGGGGTTCACTTTCAGGCCCTGGCCAATCTGAGTTTCTGATTCTGCCCTCTGAC ACCATTGCAGCTGCCTGCACCTGGGCCACATGGCCTTCAGAACCTTCTCTCTGGTCTTCC TNCCCACTTTCTCCTGCCTTCTAGAGAAAGAGCCTGGAGACCATGGTGACCATGTCTGT GGGTACTTTTCTCAGGGTTTCCCTACCCTGCCCTAGACCCAAAGTGGTGGGAGCA
Restriction Sites:	NotI-NotI
ACCN:	AF494536
Insert Size:	3000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	AF494536.1 , AAM18055.1
RefSeq Size:	1597 bp
RefSeq ORF:	480 bp
Locus ID:	128822
Cytogenetics:	20p11.21
Protein Families:	Transmembrane

Gene 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 a secreted protein that may play a role in hematopoietic differentiation or inflammation. [provided by RefSeq, Jul 2008]