

Product datasheet for SC118972

Cystatin D (CST5) (NM_001900) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cystatin D (CST5) (NM_001900) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cystatin D
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118972 sequence for NM_001900 edited (data generated by NextGen Sequencing)

ATGATGTGGCCCATGCACACCCCACTGCTGCTGCTGACTGCCTTGATGGTGGCCGTGGCC
GGGAGTGCCTCGGCCCAATCTAGGACCTTGGCAGGTGGCATCCATGCCACAGACCTCAAT
GACAAGAGTGTGCAGTGTGCCCTGGACTTTGCCATCAGCGAGTACAACAAGGTCATTAAT
AAGGATGAGTACTACAGCCGCCCTCTGCAGGTGATGGCTGCCACAGCAGATCGTGGGT
GGGGTGAAGTACTACTTCAATGTGAAGTTCGGTCGAACCATGCACCAAGTCCCAGCCC
AACTTGGACAAGTGTCCCTTCAATGACCAGCCAAAAGTAAAGAGGAAGAGTTCTGCTCT
TTCCAGATCAATGAAGTTCCTGGGAGGATAAAATTTCCATTCTGAACTACAAGTGCCGG
AAAGTCTAG

Clone variation with respect to NM_001900.4

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001900 unedited
AATAATTTGTAATACGACTCACTTATAGGGCGGCCGGAATTCGCCGAGGGCCTTCTGCT
GCTTTGCTCTCTGGGAGATCCAGCTCCTTGCTCTGTGTCCAGTAGAACATGATGTGGCC
CATGCACACCCCACTGCTGCTGCTGACTGCCTTGATGGTGGCCGTGGCCGGGAGTGCCTC
GGCCCAATCTAGGACCTTGGCAGGTGGCATCCATGCCACAGACCTCAATGACAAGAGTGT
GCAGTGTGCCCTGGACTTTGCCATCAGCGAGTACAACAAGGTCATTAATAAGGATGAGTA
CTACAGCCGCCCTCTGCAGGTGATGGCTGCCTACCAGCAGATCGTGGGTGGGTGAACTA
CTACTTCAATGTGAAGTTCGGTCGAACCATGCACCAAGTCCCAGCCCACTTGGACAA
CTGTCCCTTCAATGACCAGCCAAAAGTAAAGAGGAAGAGTTCTGCTCTTCCAGATCAA
TGAAGTTCCTGGGAGGATAAAATTTCCATTCTGAACTACAAGTGCCGGAAGTCTAGGG
GTCTGTGAAGGCCTGTCACTGACCACCTCCTACTCCACCCCTGTAGTGTCCAC
CCCTGGACTGGTGGCCCCACCCTNNGGGAGGTCTCCTCATGCGCTGCACCAGGAGACA
GACACAGAAGGTGGCAGGAGGCCTTTGTTGCTCAGCAAGAAGCTCTGCCCTTGCTCCTTC
CCTCTTGCTTCTATAGNCCCAAGTGTGCAGTGCACACTCTCCACCTCTGCAATTAACA
GTAGCATTGCCAAAAAAAAAAAAAAAAAATCCATCTAGATGCCGCCCGCGGCTTAGCTGGT
TCCTGACACAACCCGTTGA



[View online »](#)

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_001900 unedited <pre>GTACCAGCCCGCCTCNTANATCGAGTTTTTTTTTTTTTTTTTTGGCAATGCTACTGTTTA ATTGCAGGAGGTGGGAGAGTGTGCACTGCACACTGGGGCTATGAGAAGCAAGAAGGAAGG AGCAAGGGCAGAGCCTCCTGCTGAGCAACAAAGGCCTCCTGCCACCTTCTGTGTCTGTCT CCTGGTGCAGGCGCATGAGGAGACCTCCCCAGGGTGGGGGCCACCAGTCCAGGGGTGGG AGCACTACAGGGGTGGGAGTAGGAGGTGGTCAGTGTGACAGGCCTTGACAGACCCCTA GACTTTCCGGCACTTGTAGTTTCAAGATGGAATTTTATCCTCCCAGGGAACCTTCATTGAT CTGGAAAGAGCAGAACTCTTCTCTTTTCAGTTTTGGCTGGTCATTGAAGGGACAGTTGTC CAAGTTGGGCTGGGACTTGGTGCATGTGGTTCGACCGAACTTCACATTGAAGTAGTAGTT CACCCACCCACGATCTGCTGGTAGGCAGCCATCACCTGCAGAGGGCGGCTGTAGTACTC ATCCTTATTAATGACCTTGTGTACTCGCTGATGGCAAAGTCCAGGGCACACTGCACACT CTTGTCATTGAGGTCTGTGGCATGGATGCCACCTGCCAAGGTCTAAATTGGGCCGAGGC ACTCCCCGCCACGGCCACCATCAAGGCAGTCAGCAGCAGCAGTGGGGGTGTGCAATGGGC CACATCATGTTCTACTGGACACAGAGCAAGGAGCTGGATCTCCAGAGAGCAAAACAGCA GAAGGCCCTCTGCCGAANTCCCGCCGCTATAGTGAGTCGTTTACAAAATTCTGACGTTN ACTAAACGAGCTCTGCTTAAATAGACCTCCACCGTACCGCCTACCGCCATTGCGTACAGG GGGCCGGGTTATTACACACTTTGAAAGCCCGTG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001900
Insert Size:	860 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:	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:	<u>NM_001900.4</u> , <u>NP_001891.2</u>
RefSeq Size:	790 bp
RefSeq ORF:	429 bp
Locus ID:	1473
UniProt ID:	<u>P28325</u>
Cytogenetics:	20p11.21
Domains:	CY

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. 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 protein found in saliva and tears. The encoded protein may play a protective role against proteinases present in the oral cavity. [provided by RefSeq, Jul 2008]