

## Product datasheet for **SC117836**

### Cystatin F (CST7) (NM\_003650) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cystatin F (CST7) (NM_003650) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cystatin F
Synonyms:	CMAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003650, the custom clone sequence may differ by one or more nucleotides

```
ATGCGAGCGGCTGGAACCTCTGCTGGCCTTCTGCTGCCTGGTCTTGAGCACCCTGGGGCCCTTCCCCAG
ATACTTGTCCAGGACCTTAACCTCACGTGTGAAGCCAGGATTCCTAAAACAATAAAGACCAATGACCC
AGGAGTCTCCAAGCAGCCAGATACAGTGTGAAAAGTTCAACAACCTGCACGAACGACATGTTCTTGTT
AAGGAGTCCCGCATCACAAGGGCCCTAGTTCAGATAGTAAAGGCCTGAAATATATGCTGGAGGTGGAAA
TTGGCAGAACTACCTGCAAGAAAACCAGCACCTGCGTCTGGATGACTGTGACTTCAAACCAACCACAC
CTTGAAGCAGACTCTGAGCTGCTACTCTGAAGTCTGGTCTGCCCTGGCTCCAGCACTTCGAGGTGCT
GTTCTCCGTTGCTACTGA
```

Restriction Sites:	NotI-NotI
ACCN:	NM_003650
Insert Size:	1020 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).



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**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:** [NM\\_003650.3](#), [NP\\_003641.3](#)

**RefSeq Size:** 940 bp

**RefSeq ORF:** 438 bp

**Locus ID:** 8530

**UniProt ID:** [O76096](#)

**Cytogenetics:** 20p11.21

**Domains:** CY

**Protein Families:** Secreted Protein

**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. This gene encodes a glycosylated cysteine protease inhibitor with a putative role in immune regulation through inhibition of a unique target in the hematopoietic system. Expression of the protein has been observed in various human cancer cell lines established from malignant tumors. [provided by RefSeq, Jul 2008]