

Product datasheet for **SC126202**

CST6 (NM_001323) Human Untagged Clone

Product data:

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|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | CST6 (NM_001323) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CST6 |
| Synonyms: | ECTD15 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene sequence for NM_001323 edited
GAGGGCTCCGACGGCACTGACGGCCATGGCGCGTTTCGAACCTCCCCTGGCGCTGGGCCT
GGCCCTGGTCGCATTCTGCCTCCTGGCGCTGCCACGCGACGCCCGGGCCCGCCGAGGA
GCGCATGGTCGGAGAAGTCCGGGACCTGTGCGCCGACGACCCGAGGTGCAGAAGGCGGC
GCAGGCGGCCGTGGCCAGCTACAACATGGGCAGCAACAGCATCTACTACTTCCGAGACAC
GCACATCATCAAGGCGCAGAGCCAGCTGGTGGCCGGCATCAAGTACTTCTGACGATGGA
GATGGGGAGCACAGACTGCCGAAGACCAGGGTCACTGGAGACCACGTCGACCTCACCAC
TTGCCCTGGCAGCAGGGGCGCAGCAGGAGAAGCTGCGCTGTGACTTTGAGGTCCTTGT
GGTTCCCTGGCAGAACTCCTCTCAGCTCCTAAAGCACAACTGTGTGAGATGTGATAAGT
CCCCGAGGGCGAAGGCCATTGGGTTTGGGGCCATGGTGGAGGGCACTTCAGGTCCGTGGG
CCGTATCTGTACAATAAATGGCCAGTGTGCTTCTTAAAAAAAAAAAAAAAAAAAA



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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_001323 unedited GGTTTCAGGATTTGTATACGACTCACTATAGGCGGCCGCGCAATTCGCACGAGGAGGGCTC CGACGGCACTGACGGCCATGGCGCGTTTCGAACCTCCCCTGGCGCTGGGCCTGGCCCTGG TCGCATTCTGCCTCCTGGCGCTGCCACGCGACGCCGGGGCCGGCCGAGGAGCGCATGG TCGGAGAACTCCGGGACCTGTGCGCCGACGACCCGCGAGGTGCAGAAGGCGGCGCATGCGG CCGTGGCCAGCTACAACATGGGCAGCAACAGCATCTACTACTCCGAGACACGCACATCA TCAAGGCGCAGAGCCAGCTGGTGGCCGGCATCAAGTACTTCTGACGATGGAGATGGGGA GCACAGACTGCCGCAAGACCAGGGTCACTGGAGACCACGTCGACCTCACCACTTGCCCCC TGGCAGCAGGGGCGCATCAGGAGAAGCTGCGCTGTGACTTTGAGGTCCTTGTGGTTCCCT GGCAGAACTCCTCTCAGCTCCTAAAGCACAACTGTGTGCAGATGTGATAAGTCCCCGAGG GCGAAGGCCATTGGGTTTGGGGCCATGGTGGAGGGCACTTCANGTCCGTGGGCCGTATCT GTCACAATAAATGGGCAGTGCTGCTTCTTAAAAAAAAAAAAAAAAAACTCGACTTAGAT TGCGGCCCGGTATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTC CCCAGTGCCTCTCTGGGCCCTGGAAGTGCCACTCCAGTGCACCAGCCTTGTGCTAAA TAAATAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATAATATATGGGGTGGAGG GGGGGGGTGGGACCAAGGGCAATTGAAAACACCTTTAGGGCCGCGGGCTATGGGGA CCAACCTGGGGGAGGGGCCCAACTGGTAATGAGTTTCC</p> |
| Restriction Sites: | Please inquire |
| ACCN: | NM_001323 |
| 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: | <u>NM_001323.2</u> , <u>NP_001314.1</u> |
| RefSeq Size: | 627 bp |
| RefSeq ORF: | 450 bp |
| Locus ID: | 1474 |
| UniProt ID: | <u>Q15828</u> |
| Cytogenetics: | 11q13.1 |
| 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, where they appear to provide protective functions. This gene encodes a cystatin from the type 2 family, which is down-regulated in metastatic breast tumor cells as compared to primary tumor cells. Loss of expression is likely associated with the progression of a primary tumor to a metastatic phenotype. [provided by RefSeq, Jul 2008]