

Product datasheet for **SC333889**

CST8 (NM_001281730) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: CST8

Synonyms: CRES; CTES5

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF: >SC333889 representing NM_001281730.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCCAGGTGCCGGTGGCTCTCCCTGATCCTCCTCACCATTCCCCTGGCCCTGGTGCCAGGAAAGAC
CCAAAAAGAATGAGACAGGGGTGCTGAGGAAATTAACCCGTCATGCCTCAAATGCCAAGTGAAG
CAGTGTCTGTGGTTTGCCATGCAAGAATACAACAAGAGAGCGAGGACAAGTATGTCTTCCTGGTGGTC
AAGACACTGCAAGCCAGCTTCAGGTCACAAATCTTCTGGAATACCTTATTGATGTAGAAATGCCCGC
AGCGATTGCAGAAAGCCTTTAAGCACTAATGAAATCTGCGCCATTCAAGAAACTCCAAGCTGAAAAGG
AAATTAAGCTGCAGCTTTTGGTAGGAGCACTTCCCTGGAATGGTGAATCACTGTGATGGAGAAAAAG
TGTGAAGATGCTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001281730

Insert Size: 429 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001281730.1
RefSeq Size:	764 bp
RefSeq ORF:	429 bp
Locus ID:	10047
UniProt ID:	O60676
Cytogenetics:	20p11.21
Protein Families:	Secreted Protein
MW:	16.3 kDa
Gene Summary:	<p>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 similar to type 2 cystatins. The encoded protein exhibits highly tissue-specific expression in the reproductive tract, suggesting implicit roles in reproduction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>