

Recombinant Human CST6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CST6-1094H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CST6 MS Standard C13 and N15-labeled recombinant protein (NP_001314) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	16.5 kDa
AA Sequence	MARSNLPLALGLALVAFCLLALPRDARARPQERMVGELRDLSPDDPQVQKAAQAAV ASYNMGSNSIYYFRDTHIIKAQSQLVAGIKYFLTMEMGSTDCRKTRVTGDHVDLTTC PLAAGAQQEKLRCDFEVLVVPWQNSSQLLKHNCVQMTRTRPLEQKLISEEDLAAND

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ILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

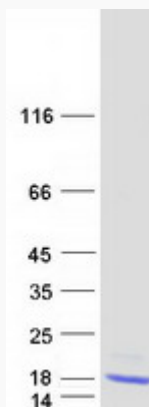
GENE INFORMATION

Gene Name	CST6 cystatin E/M [Homo sapiens (human)]
Official Symbol	CST6
Synonyms	CST6; cystatin E/M; cystatin-M; cystatin 6; cystatin M; cystatin-6; cystatin-E; cystatin M/E; cysteine proteinase inhibitor;
Gene ID	1474
mRNA Refseq	NM_001323
Protein Refseq	NP_001314
MIM	601891
UniProt ID	Q15828

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SDS-PAGE

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