

Recombinant Human CST6 Protein, GST-tagged

Cat. No. CST6-2029H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CST6 full-length ORF (AAH31334, 29 a.a. - 149 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	39.05 kDa
AA Sequence	RPQERMVGELRDLSPDDPQVQKAAQAAVASYNMGSNISIYYFRDTHIIKAQSQLVAGIKYFLTMEMGSTDCRKTRVTGDHVDLTTCPAAGAQQEKLRCDFEVLVVPWQNSSQLLKHNCVQM
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

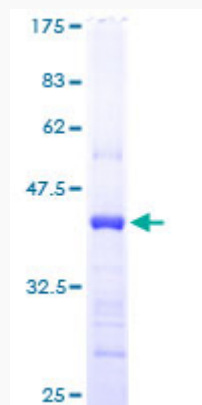
GENE INFORMATION

Gene Name	CST6 cystatin E/M [Homo sapiens]
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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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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