

Recombinant Full Length Human CST7 Protein, GST-tagged

Cat. No. CST7-2240HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CST7 full-length ORF (NP_003641.2, 1 a.a. - 167 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	167 amino acids
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. 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]
Molecular Mass	45.3 kDa
AA Sequence	MLPEKALHGHQPQLPRTVPTRAAMRAAGTLLAFCCCLVLSTTGGPSPDTC SQDLNSRV KPGFPKTIKTNDPGVLQAARYSVEKFNNCTNDMFLFKESRITRALVQIVKGLKYMLEV EIGRTTCKKNQHLRLDDCDFQTNHTLKQTLSCYSEVWVWPWLQHFEPVLRCH

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Applications	Enzyme-linked Immunoabsorbent Assay 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	CST7 cystatin F (leukocystatin) [Homo sapiens]
Official Symbol	CST7
Synonyms	CST7; cystatin F (leukocystatin); cystatin-F; cystatin-7; leukocystatin; cystatin-like metastasis-associated protein; CMAP
Gene ID	8530
mRNA Refseq	NM_003650
Protein Refseq	NP_003641
MIM	603253
UniProt ID	O76096

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