

Recombinant Human CST9, GST-tagged

Cat. No. CST9-11647H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CST9 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 29-93a.a.

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. 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 secreted protein that may play a role in hematopoietic differentiation or inflammation.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	CST9 cystatin 9 (testatin) [Homo sapiens]
Official Symbol	CST9
Synonyms	CST9; cystatin 9 (testatin); cystatin-9; CLM; cystatin-like molecule;
Gene ID	128822
mRNA Refseq	NM_001008693
Protein Refseq	NP_001008693
UniProt ID	Q5W186
Chromosome Location	20p11.21
Function	cysteine-type endopeptidase inhibitor activity; peptidase inhibitor activity;

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