Recombinant Human CSTA

Cat. No. CSTA-28192TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fusion protein: full length human Cystatin A plus 26 kDa tag,
Species	Human
Source	E.coli
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 kininogens. This gene encodes a stefin that functions as a cysteine protease inhibitor, forming tight complexes with papain and the cathepsins B, H, and L. The protein is one of the precursor proteins of cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. Stefins have been proposed as prognostic and diagnostic tools for cancer.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the cystatin family.

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Full Length	Full L.

GENE INFORMATION

Gene Name	CSTA cystatin A (stefin A) [Homo sapiens]
Official Symbol	CSTA
Synonyms	CSTA; cystatin A (stefin A); STF1, STFA; cystatin-A;
Gene ID	1475
mRNA Refseq	NM_005213
Protein Refseq	NP_005204
MIM	184600
Uniprot ID	P01040
Chromosome Location	3q21
Function	cysteine-type endopeptidase inhibitor activity; protease binding; protein binding, bridging; structural molecule activity;

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