

# Recombinant Human CSTA

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant fusion protein: full length human Cystatin A plus 26 kDa tag,
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Sequence Similarities</b>	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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