

## Recombinant Human CSTA Protein, GST-tagged

**Cat. No.** CSTA-2037H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human CSTA full-length ORF ( AAH10379, 1 a.a. - 98 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<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. [provided by RefSeq, Jul 2008]</p>
<b>Molecular Mass</b>	36.52 kDa
<b>AA Sequence</b>	MIPGGLSEAKPATPEIQEIVDKVKPQLEEKTNETYGGLEAVQYKTQVVAGTNYIYIKVR AGDNKYMHLKVFKSLPGQNEIDLVLTYGYQVDKNKDDDELDTGF
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	CSTA cystatin A [ Homo sapiens (human) ]
<b>Official Symbol</b>	CSTA
<b>Synonyms</b>	CSTA; cystatin A; Cystatin A; Cystatin A (Stefin A); STF1; STFA; Cystatin AS; Cystatin-AS; Cystatin-A; Stefin A; Stefin-A; AREI; PSS4; cystatin-A; cystatin A (stefin A); cystatin AS
<b>Gene ID</b>	1475
<b>mRNA Refseq</b>	NM_005213
<b>Protein Refseq</b>	NP_005204
<b>MIM</b>	184600
<b>UniProt ID</b>	P01040

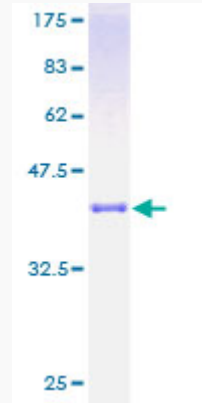
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**Quality Control**

**Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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