

Recombinant Full Length Human CSTA Protein, GST-tagged

Cat. No. CSTA-2245HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CSTA full-length ORF (AAH10379, 1 a.a. - 98 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	98 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 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]
Molecular Mass	36.52 kDa
AA Sequence	MIPGGLSEAKPATPEIQEIVDKVKPQLEEKTNETYGKLEAVQYKTQVVAGTNYIYIKVR AGDNKYMHLKVKFSLPGQNEDLVLTYGYQVDKNKDDELTGF

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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	CSTA cystatin A [Homo sapiens (human)]
Official Symbol	CSTA
Synonyms	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
Gene ID	1475
mRNA Refseq	NM_005213
Protein Refseq	NP_005204
MIM	184600
UniProt ID	P01040

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