

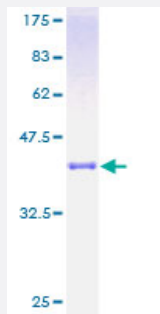
Full-Length

CSTA (Human) Recombinant Protein (P01)

Catalog # H00001475-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CSTA full-length ORF (AAH10379, 1 a.a. - 98 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MIPGGLSEAKPATPEIQEIVDKVKPQLEEKTNETYGKLEAVQYKTQVVAGTNYYIKVRAGDNKYMHLKVKFSLPGQNEDLVLTYQVDKNKDDDELTF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (57); Rat (62)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CSTA

Entrez GeneID [1475](#)

GeneBank Accession# [BC010379](#)

Protein Accession# [AAH10379](#)

Gene Name CSTA

Gene Alias STF1, STFA

Gene Description cystatin A (stefin A)

Omim ID [184600](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations cystatin A|cystatin AS|stefin A

Disease

- [Genetic Predisposition to Disease](#)

- [Psoriasis](#)