

Bioactive

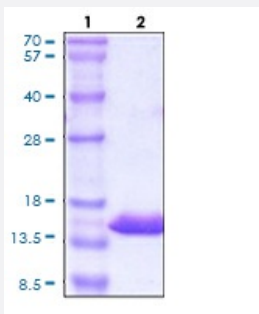
Full-Length

CSTA (Human) Recombinant Protein

Catalog # P7965

Size 100 ug

Applications



Specification

| | |
|--------------------------------|---|
| Product Description | Human CSTA (P01040, 1 a.a. - 98 a.a.) full length recombinant protein with His tag expressed in <i>Escherichia coli</i> . |
| Sequence | MIPGGLSEAKPATPEIQEIVDKVKPQLEEKTNETYGKLEAVQYKTQVVAGTNYIKVRAGDNKYMHL KVFKSLPGQNEDLVLTGYQVDKNKDDDELTF |
| Host | Escherichia coli |
| Theoretical MW (kDa) | 13.1 |
| Form | Liquid |
| Preparation Method | <i>Escherichia coli</i> expression system |
| Purity | > 95% by SDS-PAGE |
| Activity | The IC50 value is < 1.0 nM, was measured by a fluorometric assay using Z-FR-AMC at pH 7.5 at 25° C. |
| Quality Control Testing | 3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain. |
| Storage Buffer | In 20mM Tris-HCl pH 8.0 (10% glycerol, 1 mM DTT) |

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CSTA

Entrez GeneID [1475](#)

Protein Accession# [P01040](#)

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](#)