

## 37-1227: Human Cystatin A / CSTA Recombinant Protein (His Tag)(Discontinued)

**Reactivity :** Human

**Alternative Name :** AREI Protein, STF1 Protein, STFA Protein,

### Description

#### Source : E. coli

Cystatin-A, also known as Cystatin-AS, Stefin-A and CSTA, is a cytoplasm protein which belongs to the cystatin family. Cystatin-A / CSTA is a cysteine proteinase inhibitor with a molecular mass of 11 kDa, and is located mainly in the keratohyaline granules of the stratum granulosum and the cornified envelope of the stratum corneum in the epidermis. The cystatins are a family of cysteine protease inhibitors with homology to chicken cystatin. Cystatins are physiological inhibitors of cysteine proteinases which are widely distributed in human tissues and fluids. Cystatins typically comprise about 115 amino acids, are largely acidic, contain four conserved cysteine residues known to form two disulfide bonds. Cystatins may be glycosylated and / or phosphorylated, with similarity to fetuins, kininogens, stefins, histidine-rich glycoproteins and cystatin-related proteins. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired inhibitory activity. Cystatins mainly inhibit peptidases belonging to peptidase families C1 (papain family) and C13 (legumain family).

### Product Info

**Amount :** Human Cystatin A / CSTA Recombinant Protein (His Tag)(Discontinued) / 100 µg

**Purification :** > 95 % as determined by SDS-PAGE

**Content :** Formulation Lyophilized from sterile 50mM Tris, 1mM EDTA, pH 7.5  
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

**Storage condition :** Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Amino Acid :** Ile2-Phe98

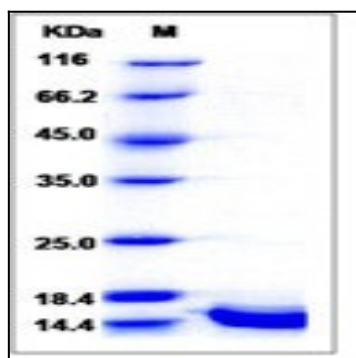


Fig 1: Human Cystatin A / CSTA Recombinant Protein (His Tag)