

CSTA, 1-98aa, Human, His tag, E.coli (Bioactivity Validated)

Cat.NO.: TP01757

3th Edition

Synonyms:Cystatin-A, STF1, STFA.

Description:CSTA, also known as Stefin A, is thiol protease inhibitors that form complexes with papain and the cathepsins B, H and L. The protein is one of the precursor proteins of the cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. CSTA is thought to be a tumor suppressor, since an inverse correlation seems to exist between the level of CSTA and tumor progression, in several malignancies. Recombinant human CSTA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol

Molecular Weight:13.1 kDa (118aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMIPGGLSEAKPATPEIQEIVDKVKPQLEEKTNETYGKLEAVQYKTQVVAGTNYYIK
VRAGDNKYMHLKVFKSLPGQNEDLVLTGYQVDKNKDDELTGF

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by BCA assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.