

Datasheet for ABIN6387720
CST6 Protein (AA 29-149) (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	CST6
Protein Characteristics:	AA 29-149
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CST6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MRPQERMVGE LRDLSPPDPQ VQKAAQAAVA SYNMGNSNIY YFRDTHIIKA QSQLVAGIKY FLTMEMGSTD CRKTRVTGDH VDLTTCPLAA GAQKEKLRC FEVLVVPWQN SSQLLKHNVCV QM
Purity:	> 90 % by SDS - PAGE
Biological Activity Comment:	The IC50 value is < 10nM. The inhibitory function of Cystatin 6 on protease activity of papain was measured by a fluorometric assay using Z-FR-AMC at pH 7.5 at 25C.

Target Details

Target:	CST6
Alternative Name:	CST6 (CST6 Products)

Target Details

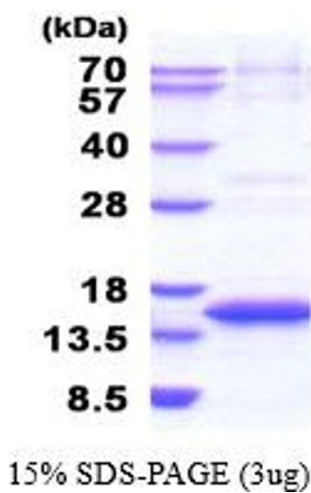
Background:	CST6 is a member of the type 2 cystatin family. Some of the members are active cysteine protease inhibitors, while cystatin E/M moderate the inhibition of cathepsin B but is not active against cathepsin C. CST6 is secretable proteins that influence osteogenesis and bone resorption, regulation of the insulin and hepatocyte growth factor receptors, and the response to systemic inflammation. Recombinant human CST6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	15.9 kDa (142aa), confirmed by MALDI-TOF
NCBI Accession:	NP_001314
UniProt:	Q15828

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer(pH 8.0) containing 10 % glycerol, 1 mM DTT, 0.1M NaCl.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.