Datasheet for ABIN5854530

CST3 Protein (AA 21-140) (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	CST3
Protein Characteristics:	AA 21-140
Origin:	Rat
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CST3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	GTSRPPPRLL GAPQEADASE EGVQRALDFA VSEYNKGSND AYHSRAIQVV RARKQLVAGI NYYLDVEMGR TTCTKSQTNL TNCPFHDQPH LMRKALCSFQ IYSVPWKGTH TLTKSSCKNA LEHHHHHH
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	The IC50 value is < 1.0nM. The inhibitory function of Cystatin 3 on protease activity of papain was measured by a fluorometric assay using Z-FR-AMC at pH 7.5 at 25C.

Target Details

Target:	CST3

Target Details

Alternative Name:	Cystatin C (CST3 Products)
Background:	CST3, also known as cystain-C, is secreted type 2 cysteine proteinase inhibitors of the cystatin superfamily. It is involved in processes such as tumor invasion and metastasis, inflammation and some neurological diseases. It inhibits many cysteine proteases such as papain and cathepsins B, H, K, L and S. Recombinant rat CST3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	14.3 kDa (128aa)
NCBI Accession:	NP_036969
UniProt:	P14841

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 Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

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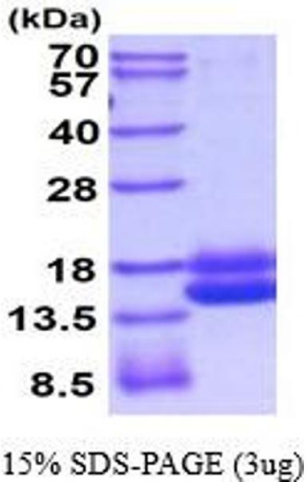

15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.