

# 41240 Recombinant Human Cystatin C (hcST3)

<b>Source:</b>	Expressed in <i>E.coli</i>
<b>Tag:</b>	None, 6xhis tag removed
<b>Size:</b>	100µg
<b>Purity:</b>	>95%, determined by SDS-PAGE
<b>Other Names:</b>	ARMD11, Neuroendocrine basic polypeptide

## Introduction to the Molecule

Cystatin C is a member of family 2 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. It is ubiquitous in human tissues and body fluids. Cystatin C is a good marker for glomerular filtration rate.

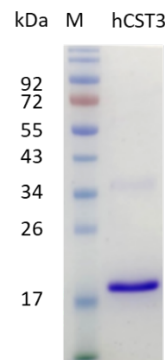
- Add deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely.
- Store lyophilized protein at -20°C. Aliquot reconstituted protein and store at -80°C. Avoid repeated freezing /thawing cycles.

## Amino Acid Sequence

**MSYYHHHHHHDYDIPTTENLYFQGAMGS**  
**GISSPGKPPRLVGGPMDASVEEEGVRRALDF**  
AVGEYNKASNDMYHSRALQVVRARKQIVAGV  
NYFLDVELGRITCTKTQPNLDNCPFHDQPHLK  
RKAFCSFQIYAVPWQGTMTLSKSTCQDA

Note: **6xhis tag** and **TEV site** are highlighted

## SDS-PAGE Gel



## Formulation, Reconstitution and Storage

- Lyophilized at 1 mg/mL in Tris 50mM, NaCl 300mM, L-arginine 400mM, pH 8.0.