

## PRODUCT DATA SHEET

### Cystatin C Human E. coli

**Cat. No.:** RD172009100-H

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

**Other Names:**

Post G-globulin, Cystatin-3, Neuroendocrine basic polypeptide, Gamma-trace, Post-gamma-globulin, CST3

**Description:**

Total 129 AA. Mw: 14.5 kDa (calculated). UniProtKB acc.no. P01034. N-terminal His-tag, 9 extra AA.

**Amino Acid Sequence:**

MKHHHHHHAS SPGKPPRLVG GPMDASVEEE GVRRALDFAV GEYNKASNDM YHSRALQVVR  
ARKQIVAGVN YFLDVELGRT TCTKTQPNLD NCPFHDQPHL KRKAFCSFQI YAVPWQGTMT  
LSKSTCQDA

**Purity:**

> 90 % by SDS-PAGE

**Endotoxin:**

< 1.0 EU/μg

**Formulation:**

Filtered (0.4 μm) and lyophilized from 0.5 mg/mL solution in 20 mM Tris buffer, 50 mM NaCl, pH 7.5

**Reconstitution:**

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store the lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; however it does show trace of degradation (below 5% of total product) after one week at 4°C.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.