

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.