

Recombinant Human Cystatin C

Catalog Number: **HZ-1211**

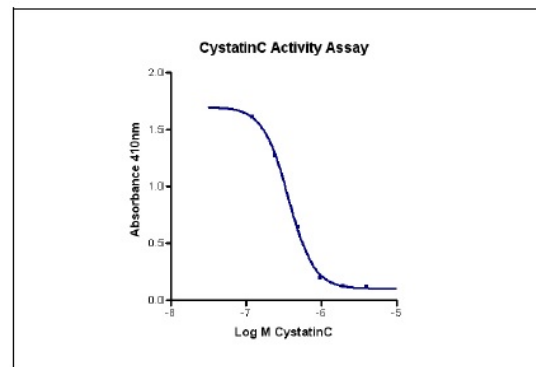
HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	human
Expression	HEK293
Activity	Typically $\leq 5 \mu\text{M}$ IC ₅₀
Purity	>95%
Endotoxin	<1 EU/ μg
Molecular Mass	12 to 13 kDa, monomer, nonglycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	1471



The activity of Cystatin C was measured by the dose-dependent inhibition of Papain protease activity by colorimetric assay using L-BAPA as the substrate.

Reconstitution Buffer

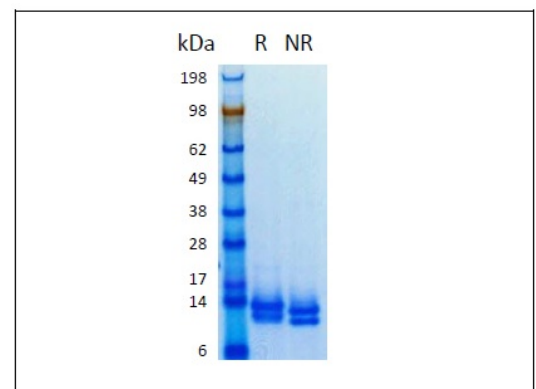
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1x PBS.

Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

Animal-free Recombinant Human Cystatin C (Cys-C) is expressed in human 293 cells as a monomer with an apparent molecular mass of 12 to 13 kDa. Native Cys-C in human urine is found in two different forms: one with pI 9.2 and the other with pI 7.8 by elimination of small basic peptides or amino acids from the N-terminal end of protein. Cystatin C has been studied for its role in predicting newonset or deteriorating cardiovascular disease. This cytokine is produced in a serum-free, chemically defined media.



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Synonyms

ARMD11, CST3, Cystatin 3, cystatin C, Gamma trace, Post gamma globulin

For technical support and original validation data for this product please contact:

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