

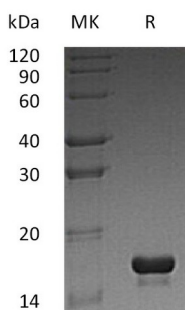
Product Name: Recombinant Human CST3 (N-6His)
Catalog #: PEH0492



Summary

Name	Cystatin C/CST3
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Cystatin C is produced by our E.coli expression system and the target gene encoding Gly26-Ala146 is expressed with a 6His tag at the N-terminus.
Accession #	P01034
Host	E.coli
Species	Human
Predicted Molecular Mass	16.5 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Hepes, 150mM NaCl, 1mM EDTA, 5% sucrose, 0.009% Tweem80, pH7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names

ARMD11; Gamma-trace; Neuroendocrine basic polypeptide; Post-gamma-globulin; Cystatin-3

Background

Cystatin C is a member of family 2 of the cystatin superfamily. It is ubiquitous in human tissues and body fluids and mainly used as a biomarker of kidney function. Cystatin C inhibits many cysteine proteases such as papain and Cathepsins B, H, K, L and S. As an inhibitor of cysteine proteinases, Cystatin C is thought to serve an important physiological role as a local regulator of this enzyme activity. Recently, it has been studied for its role in predicting new-onset or deteriorating cardiovascular disease. It also seems to play a role in brain disorders involving amyloid (a specific type of protein deposition), such as Alzheimers disease.

Note

For Research Use Only , Not for Diagnostic Use.