

Recombinant Human Cystatin C/CST3 Protein (His Tag)



Catalog Number:PDEH100029

Note: Centrifuge before opening to ensure complete recovery of vial contents.

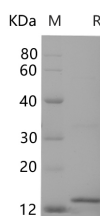
Description

Synonyms	Cys-C;CST3;Cystatin 3;ARMD11;Post-Gamma-Globulin
Species	Human
Expression Host	E.coli
Sequence	Ser27-Ala146
Accession	P01034-1
Calculated Molecular Weight	13.3 kDa
Observed molecular weight	14 kDa
Tag	N-His

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

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 Alzheimer's disease.

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