

Recombinant Human Cystatin A/CSTA Protein (His Tag)



Catalog Number:PKSH032320

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

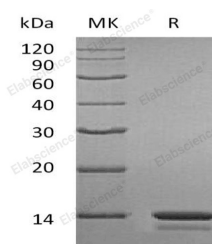
Description

Synonyms	Cystatin-A;Cystatin-AS;Stefin-A;CSTA;STF1;STFA
Species	Human
Expression Host	E.coli
Sequence	Ile2-Phe98
Accession	P01040
Calculated Molecular Weight	11.8 kDa
Observed molecular weight	14 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
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 a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the print
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Human Cystatin A (CSTA) is a member of family 1 of the cystatin superfamily; which is characterized by lacking of disulphide bonds and carbohydrates. Cystatin A is an intracellular inhibitor regulating the activities of cysteine proteases of the papain family such as Cathepsins B; H and L. Cystatin A is also implicated in a number of disease states. Due to altered proteolytic state in cancer progression; Cystatin A may play a role in the proteolytic pathways.

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