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Recombinant Human Cystatin 7/CST7 Protein (His Tag)

Catalog No. PKSH032325

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

Description

Synonyms Cystatin-F;Cystatin-7;Cystatin-Like Metastasis-Associated

Protein; CMAP; Leukocystatin; CST7

Species Human

Expression Host HEK293 Cells
Sequence Gly20-His145
Accession O76096
Calculated Molecular Weight 15.6 kDa
Observed molecular weight 19-25 kDa
Tag C-His

Bioactivity Not validated for activity

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, 150mM NaCl, pH

8.0.

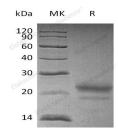
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as

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



> 95 % as determined by reducing SDS-PAGE.

Background

For Research Use Only

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CST7 is a secreted protein and primarily expressed in peripheral blood cells and spleen. It is belongs to the cystatin family. The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kiningens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. This gene encodes a glycosylated cysteine protease inhibitor with a putative role in immune regulation through inhibition of a unique target in the hematopoietic system.

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