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Datasheet for ABIN7318376 CST7 Protein (His tag)

Overview

Quantity:	50 µg
Target:	CST7
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CST7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cystatin 7/CST7 Protein (His Tag)
Sequence:	Gly20-His145
Characteristics:	Recombinant Human Cystatin F is produced by our Mammalian expression system and the target gene encoding Gly20-His145 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CST7
Alternative Name:	Cystatin 7/CST7 (CST7 Products)
Background:	Background: CST7 is a secreted protein and primarily expressed in peripheral blood cells and spleen. It belongs to the cystatin family. The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease

Target Details

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 kininogens. 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.

Synonym: Cystatin-F, Cystatin-7, Cystatin-Like Metastasis-Associated Protein, CMAP, Leukocystatin, CST7

Molecular Weight: 15.6 kDa

UniProt: [O76096](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.