

## Recombinant Human Cystatin S/CST4 Protein (His Tag)

**Catalog Number:** PKSH032327

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

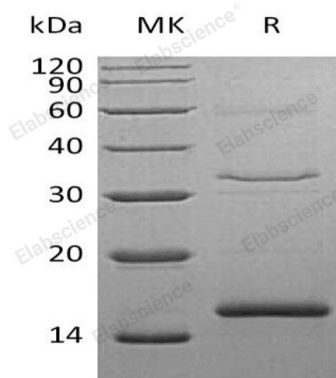
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human Cystatin S;CST4 protein Ser21-Ala141, with an C-terminal His
<b>Calculated MW</b>	15.2 kDa
<b>Observed MW</b>	16 kDa
<b>Accession</b>	P01036
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, pH 5.5. 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.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Cystatin-S, also called Cystatin-SA-III or Salivary acidic protein, is usually expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level). This protein, which is phosphorylated at both its N- and C-terminal regions, belongs to the cystatin family. Cystatin-S can function as an inhibitor to papain or ficin, it partially inhibits stem bromelain and bovine cathepsin C.

### For Research Use Only

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