



Recombinant Protein Technical Manual

Recombinant Human Cystatin S/CST4 Protein (His Tag)

RPES1780

Product Data:

Product SKU: RPES1780

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P01036

Protein Information:

Molecular Mass: 15.2 kDa

AP Molecular Mass: 16 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 MES, 150mM NaCl, pH 5.5.

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

Application:

Synonyms: Cystatin-S; Cystatin-4; Cystatin-SA-III; Salivary Acidic Protein 1; CST4

Immunogen Information:

Sequence: Ser21-Ala141

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.