



Recombinant Protein Technical Manual  
Recombinant Human Cystatin SN/CST1 Protein (His  
Tag)  
RPES1821

Product Data:

**Product SKU:** RPES1821

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P01037

Protein Information:

**Molecular Mass:** 15.4 kDa

**AP Molecular Mass:** 17 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-SN; Cystatin-SA-I; Cystatin; Salivary Cystatin-SA; CST1

## Immunogen Information:

**Sequence:** Trp21-Ser141

## Background:

Cystatin-SN is a member of family 2 of the Cystatin superfamily and a cysteine proteinase inhibitor found in saliva, tears, urine, and seminal fluid. Together with Cystatins S and SA, it is produced by the salivary gland and secreted largely in the submandibular/sublingual saliva. Cystatin-SN inhibits members of the Papain family including Cathepsins B, C, H and L.