

## 32-3616: CST1 Recombinant Protein

**Alternative Name :** Cystatin-SN,Cystain-SA-I,Cystatin-1,Salivary cystatin-SA-1,CST1.

### Description

Source : E.coli. CST1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 145 amino acids (21-141 a.a.) and having a molecular mass of 16.9kDa. CST1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Cystatin-SN (CST1) belongs to the type 2 salivary cystatin family found in a variety of fluids and secretions, including plasma, tears, and saliva. The cystatin superfamily includes proteins which contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, whereas others have lost or possibly never developed this inhibitory activity. CST1 is up-regulated in cancerous lesions of gastric cancer tissues compared to noncancerous regions, in addition clinicopathological analysis revealed a significant correlation between high expression of CST1.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95% as determined by SDS-PAGE.
<b>Content :</b>	CST1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 100mM NaCl.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSWSPKEE DRIIPGGIYN ADLNDEWVQR ALHFAISEYN KATKDDYYRR PLRVLRARQQ TVGGVNYFFD VEGRTICTK SQPNLDTCAF HEQPQLQKKQ LCSFEIYVVP WENRRSLVKS RCQES.

