

### 32-13178: CST4 Human, sf9

**Alternative Name :** Cystatin S, Salivary Acidic Protein 1, Cystatin-SA-III, Cystatin-4, Cystatin 4, Cystatin-S.

#### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

CST4 is a member of the cystatin superfamily which contains proteins that hold multiple cystatin-like sequences. Several family members are active cysteine protease inhibitors, whereas others have lost or possibly never attained this inhibitory activity. CST4 strongly inhibits papain (non-competitively) and ficin, partially inhibits stem bromelain and bovine cathepsin C, however does not inhibit porcine cathepsin B or clostripain.

CST4 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 131 amino acids (21-141 a.a.) and having a molecular mass of 15.4kDa (Migrates at 13.5-18kDa on SDS-PAGE under reducing conditions).Å

#### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** CST4 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** 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.

**Amino Acid :** ADPMSSSKEE NRIIPGGIYD ADLNDEWVQR ALHFAISEYN KATEDEYYRR PLQVLRAREQ TFGGVNYFFD  
VEVGRTICTK SQPNLDTCAF HEQPELQKKQ LCSFEIYEVW WEDRMSLVNS RCQEAHHHHH H.