

## 32-13181: CST7 Human

**Alternative Name :** Cystatin-F, Cystatin-7, Cystatin-like metastasis-associated protein, CMAP, Leukocystatin, Cystatin 7, CST7, CMAP.

### Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

Cystatin 7 (CST7) is a glycosylated cysteine protease inhibitor with a putative role in immune regulation through inhibition of a unique target in the hematopoietic system. Cystatin-7 is comprised of multiple cystatin-like sequences. The superfamily is comprised of 3 inhibitory families: the type 1 cystatins (stefins), type 2 cystatins and the kininogens. Some members are active cysteine protease inhibitors, while others have lost or possibly never had this inhibitory activity. Type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in various human fluids and secretions. CST7 protein expression has been observed in numerous human cancer cell lines established from malignant tumors.

CST7 Human Recombinant produced in E. coli is a single polypeptide chain containing 132 amino acids (20-145) and having a molecular mass of 15.3kDa. CST7 is fused to a 7 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

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

**Content :** The CST7 solution (0.5mg/1ml) contains phosphate buffered saline (pH7.4).

**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 :** GPSPDTCSD LNSRVKPGFP KTIKTNDPGV LQAARYSVEK FNNCTNDMFL FKESRITRAL VQIVKGLKYM  
LEVEIGRTTC KKNQHLRLDD CDFQTNHTLK QTLSCYSEVW VVPWLQHFV PVLRRCHHHH HH.