

# Human CST6 Recombinant Protein



RPPB3293

---

## Product Information    Protein Information

**Product SKU:**

RPPB3293

**Accession:**

Q15828

**Host:**

E.coli.

**Protein description:**

CST6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 142 amino acids (29-149 a.a.) and having a molecular mass of 15.9kDa.CST6 is fused to a 21 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Cystatin E/M, cystatin 6, Cystatin M, Cystatin-E, Cysteine proteinase inhibitor.

**Formulation:**

The CST6 solution (0.5mg/1ml) contains 10% glycerol, 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 1mM DTT.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

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 Sequence:**

MGSSHHHHHH SGLVPRGSH MRPQERMVGE LRDLSPPDPQ VQKAAQAAVA SYNMGNSIY YFRDTHIIKA  
QSQLVAGIKY FLTMEMGSTD CRKTRVTGDH VDLTTCPLAA GAQQEKLRCDFEVLVVPWQN SSQLLKHNCV  
QM

**Biological Activity:**

The IC50 value is < 10nM. The inhibitory function of Cystatin 6 on protease activity of papain was measured by a fluorometric assay using Z-FR-AMC at pH 7.5 at 25°C.