

# Human CST5 Recombinant Protein



RPPB3291

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## Product Information    Protein Information

**Product SKU:**

RPPB3291

**Accession:**

P28325

**Host:**

Sf9, Baculovirus cells.

**Protein description:**

CST5 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 123 amino acids (26-142 a.a) and having a molecular mass of 14.36kDa. CST5 is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

Cystatin-D, CST5, Cystatin 5, Cystatin-5.

**Formulation:**

The CST5 solution (0.5mg/1ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

**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:**

QSRTLGGIH ATDLNDKSVQ RALDFALSEY NKVINKDEYY SRPLQVMAAY QQIVGGVNY Y FNVKFGRTTC  
TKSQPNLDNC PFNDQPKLKE EEFCFQINE VPWEDKISIL NYKCRKVHHH HHH.

**Biological Activity:**

The IC50 value is < 2.0nM. The inhibitory function of Cystatin 5 on protease activity of papain was measured by a fluorometric assay using Z-FR-AMC at pH 7.5 at 25C.