

# Human CST3 Recombinant Protein



RPPB3282

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## Product Information    Protein Information

**Product SKU:**

RPPB3282

**Accession:**

P01034

**Host:**

E.coli.

**Protein description:**

CST3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 141 amino acids (27-146 a.a.) and having a molecular mass of 15.6kDa.CST3 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-C, Cystatin-3, Neuroendocrine basic polypeptide, Gamma-trace, Post-gamma-globulin, CST3, MGC117328.

**Formulation:**

The CST3 solution (0.25mg/1ml) contains 0.1M NaCl, 20mM Tris-HCl buffer (pH 8.0) and 20% glycerol.

**Purity:**

Greater than 95.0% 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 MSSPGKPPRL VGGPMDASVE EEGVRRALDF AVGEYNKASN DMYHSRALQV  
VRARKQIVAG VNYFLDVELG RTTCTKTQPN LDNCPFHDQP HMKRKAFCFS QIYAVPWQGT MTLKSTCQD A

**Biological Activity:**

The IC50 value is < 2.0nM. The inhibitory function of Cystatin 3 on protease activity of papain was measured by a fluorometric assay using Z-FR-AMC at pH 7.5 at 25°C.