

RPPB3297

Product Information Protein Information

Product SKU:

RPPB3297

Accession:

P01040

Host:

Escherichia Coli.

Protein description:

Cystatin A Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 118 amino acids (1-98a.a) and having a molecular mass of 13.1 kDa. The Cystatin A is fused to a 20 amino acid His tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Cystatin-A, Cystatin-AS, Stefin-A, CSTA, STF1, STFA.

Formulation:

Cystatin-A (1mg/ml) in 20mM Tris-HCl buffer (pH8.0), 1mM DTT and 10% glycerol.

Purity:

Greater than 95% as determined by reducing 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 SSSLVPRGSH MIPGGLSEAK PATPEIQEIV DKVKPQLEEK TNETYGKLEA VQYKTQVVAG
TNYIYKVRAG DNKYMHLKVF KSLPGQNE DL VLTGYQVDKN KDELDTGF.

Biological Activity:

The IC50 value is < 1.0nM. The inhibitory function of CSTA on protease activity of papain was measured by a fluorometric assay using Z-FR-AMC at pH 7.5 at 25C.