



Cystatin-C Mouse Recombinant, Active

Item Number rAP-3124

Synonyms Cystatin-C, Cystatin-3, Cst3, CST3

Description CST3 Mouse produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 126 amino

acids (21-140 a.a.) and having a molecular mass of 14.2kDa (Molecular size on SDS-PAGE will appear at approximately 13.5-18kDa).CST3 is expressed with a 6 amino acid His tag at C-Terminus and purified by

Uniprot Accesion Number P21460

Amino Acid Sequence ATPKQGPRML GAPEEADANE EGVRRALDFA VSEYNKGSND AYHSRAIQVV RARKQLVAGV

NYFLDVEMGR TTCTKSQTNL TDCPFHDQPH LMRKALCSFQ IYSVPWKGTH SLTKFSCKNA HHHHHH

Source Sf9

Baculovirus cells.

Physical Appearance

and Stability

Sterile Filtered colorless solution. 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.

Formulation and Purity CST3 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Greater than 95% as determined by SDS-PAGE.

Application

Solubility

Biological Activity

The IC50 value is < 1.0nM. The inhibitory function of Cystatin 3 on protease activity of papain was meas-

ured by a fluorometric assay using Z-FR-AMC at pH 7.5 at 25°C.

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only