

Cystatin-C, 21-140aa, Mouse, His-tag, Baculovirus (Bioactivity Validated)

Cat.NO.: TP01818

3th Edition

Synonyms:CST3, CysC

Description:CST3, also known as Cystatin-C is a member of family 2 of the cystatin superfamily. This protein is a secreted type 2 cysteine protease inhibitor synthesized in all nucleated cells, has been proposed as a replacement for serum creatinine for the assessment of renal function, particularly to detect small reductions in glomerular filtration rate. It is involved in processes such as tumor invasion and metastasis, inflammation and some neurological diseases. It inhibits many cysteine proteases such as papain and cathepsins B, H, K, L and S. It indicates that a murine model should be relevant for studies of the human disease, hereditary Cystatin C amyloid angiopathy. Recombinant Mouse CST3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:14.2kDa (126aa) confirmed by MALDI-TOF 13.5-18KDa (SDS-PAGE under reducing conditions.)

Sequences:

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.