

Cst3, 21-140aa, Rat, His tag, Baculovirus

Cat.NO.: TP01748

3th Edition

Synonyms:Cystain-C, CST3, CYSC

Description:CST3, also known as cystain-C, is secreted type 2 cysteine proteinase inhibitors of the cystatin superfamily. 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. Recombinant rat 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:14.3kDa (128aa), 13.5-18KDa (SDS-PAGE under reducing conditions.)

Sequences:

GTSRPPPRLLGAPQEADASEEGVQRALDFAVSEYNKGSNDAYHSRAIQVVRARKQLVAGINYYLDVEMGRRTTCTK
SQTNLTNCPFHDQPHLMRKALCSFQIYSVPWKGTHLTLSCKNALEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/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.