

**CST6, 29-149aa, Human, His tag, E.coli (Bioactivity Validated)**

**Cat.NO.: TP01753**

3th Edition

**Synonyms:**Cystatin-M, Cystatin E/M.

**Description:**CST6 is a member of the type 2 cystatin family. Some of the members are active cysteine protease inhibitors, while cystatin E/M moderate the inhibition of cathepsin B but is not active against cathepsin C. CST6 is secretable proteins that influence osteogenesis and bone resorption, regulation of the insulin and hepatocyte growth factor receptors, and the response to systemic inflammation. Recombinant human CST6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

**Molecular Weight:**15.9 kDa (142aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMRPQERMVGELRDLSPDDPQVQKAAQAASYNMGSNSIYYFRDTHIIKAQSQL  
VAGIKYFLTMEMGSTDCRKTRVTGDHVDLTTCPAAGAQQEKLRCDFEVLVVPWQNSSQLLKHNVCVQM

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**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.