

CST11, 26-103aa, Human, His tag, E.coli

Cat.NO.: TP01747

3th Edition

Synonyms:Cystatin 11, CST8L, CTES2, dJ322G13.6, SC13

Description:The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kinogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. CST11 is located in the cystatin locus and encodes an epididymal-specific protein whose specific function has not been determined. Recombinant human CST11 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Molecular Weight:11.8kDa (101aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSARKKTFSLVHEVMAVENYAKDSLQWITDQYNKESDDKYHFRIFRVLKVQRQ
QVNCFFSVFAVPWFEQYKILNKSCSSD

Purity:> 95% by HPLC

Concentration:1 mg/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.