

Recombinant human CST11 protein

Catalog Number: ATGP2117

PRODUCT INFORMATION

Expression system

E.coli

Domain

26-103aa

UniProt No.

Q9H112

NCBI Accession No.

NP_543020

Alternative Names

Cystatin 11, CST8L, CTES2, dj322G13.6, SC13

PRODUCT SPECIFICATION

Molecular Weight

11.8 kDa (101aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 kininogens. 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

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protein whose specific function has not been determined. Recombinant human CST11 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MGSARKKTFL SVHEVMAVEN YAKDSLQWIT DQYNKESDDK YHFRIFRVLK VQRQQVNCFF SVFAVPWFEQ YKILNKSCSS D

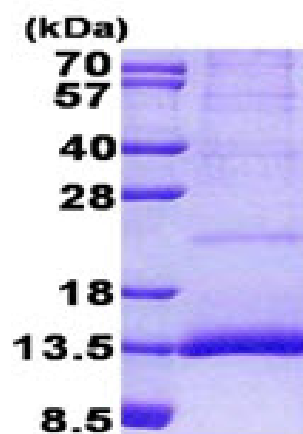
General References

Hamil K.G., et al. (2002) Endocrinology. 143:2787-2796

Deloukas P., et al. (2001) Nature. 414:865-871

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)