Recombinant Human CST11, His-tagged

Cat. No. CST11-7606H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CST11 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	26-103aa
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 protein whose specific function has not been determined.?
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Molecular Mass	11.8kDa (101aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSARKKTFL SVHEVMAVEN YAKDSLQWIT DQYNKESDDK YHFRIFRVLK VQRQQVNCFF SVFAVPWFEQ YKILNKSCSS D

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C.Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml

GENE INFORMATION

Gene Name	CST11 cystatin 11 [Homo sapiens]
Official Symbol	CST11
Synonyms	CST11; cystatin 11; CST8L; cystatin-11; dJ322G13.6; SC13delta; cystatin-related epididymal-specific protein; SC13;
Gene ID	140880
mRNA Refseq	NM_080830
Protein Refseq	NP_543020
MIM	609731
UniProt ID	Q9H112
Chromosome Location	20p11.21
Function	cysteine-type endopeptidase inhibitor activity; peptidase inhibitor activity;

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