

Recombinant Human CST8, His-tagged

Cat. No. CST8-76H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Cystatin-8/CST8 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Lys22-Ala142) of Human CST8 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	22-142 a.a.
Description	Cystatin-8 is a secreted protein which belongs to the cystatin family. The cystatin superfamily contains multiple cystatin-like sequences. Cystatin-8 localizes to the cystatin locus and encodes a protein similar to type 2 cystatins. Cystatin-8 performs a specialized role during sperm development and maturation. Cystatin-8 exhibits highly tissue-specific expression in the reproductive tract, suggesting implicit roles in reproduction. In addition, Cystatin-8 performs a specialized role during sperm development and maturation.
AA Sequence	KDPKKNETGVLRLKLPVNASNANVKQCLWFAMQEYNKESEDKYVFLVVKTLQAQL QVTNLLEYLI DVEIARSDCRKPLSTNEICAIQENSKLKRKLSCSFLVGALPWNGEFTV MEKKCEDAVDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by reducing SDS-PAGE.

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GENE INFORMATION

Gene Name	CST8 cystatin 8 (cystatin-related epididymal specific) [Homo sapiens]
Official Symbol	CST8
Synonyms	CST8; cystatin 8 (cystatin-related epididymal specific); cystatin-8; CRES; cystatin-related epididymal-specific; cystatin-related epididymal spermatogenic protein;
Gene ID	10047
mRNA Refseq	NM_005492
Protein Refseq	NP_005483
MIM	608683
UniProt ID	O60676
Chromosome Location	20p11.21
Function	cysteine-type endopeptidase inhibitor activity; peptidase inhibitor activity;

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