Recombinant Human CST8 Protein, GST-tagged

Cat. No. CST8-2033H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CST8 full-length ORF (AAH69536.1, 1 a.a. - 90 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. This gene is located in the cystatin locus and encodes a protein similar to type 2 cystatins. The encoded protein exhibits highly tissue-specific expression in the reproductive tract, suggesting implicit roles in reproduction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
Molecular Mass	36.8 kDa
AA Sequence	MQEYNKESEDKYVFLVVKTLQAQLQVTNLLEYLIDVEIARSDCRKPLSTNEICAIQEN SKLKRKLSCSFLVGALPWNGEFTVMEKKCEDA
Applications	Enzyme-linked Immunoabsorbent Assay

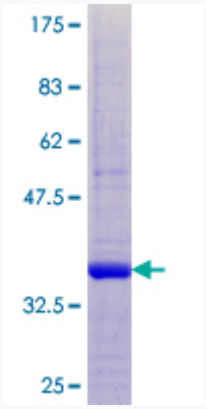
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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