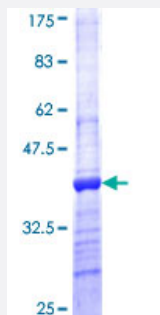


CST8 (Human) Recombinant Protein (Q01)

Catalog # H00010047-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CST8 partial ORF (NP_005483, 43 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ANVKQCLWFAMQEYNKESEDKYVFLVVKTLQAQLQVTNLLEYLIDVEIARSDCRKPLSTNEICAIQ ENSKLKRKLSCSFLVGALPWNGEFTVMEKKCEDA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (62); Rat (65)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CST8

Entrez GeneID [10047](#)

GeneBank Accession# [NM_005492](#)

Protein Accession# [NP_005483](#)

Gene Name CST8

Gene Alias CRES

Gene Description cystatin 8 (cystatin-related epididymal specific)

Omim ID [608683](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 protein exhibits highly tissue-specific expression in the reproductive tract, suggesting implicit roles in reproduction. Alternative splicing identified in mouse is suggested in human based on EST evidence but the full-length nature of putative variants has not been determined. [provided by RefSeq]

Other Designations OTTHUMP00000030434|cystatin 8|cystatin-related epididymal spermatogenic protein|cystatin-related epididymal-specific

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Neuroblastoma](#)