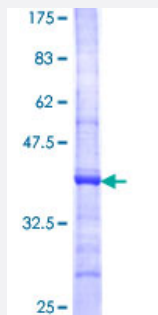


CST7 (Human) Recombinant Protein (Q01)

Catalog # H00008530-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CST7 partial ORF (NP_003641, 68 a.a. - 167 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DPGVLQAARYSVEKFNNCTNDMFLFKESRITRALVQIVKGLKYMLEVEIGRTTCKKNQHLRLDDCD FQTNHTLKQTLSCYSEVWVVPWLQHFVPVLRCH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (76); Rat (76)
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 — CST7

Entrez GeneID [8530](#)

GeneBank Accession# [NM_003650](#)

Protein Accession# [NP_003641](#)

Gene Name CST7

Gene Alias CMAP

Gene Description cystatin F (leukocystatin)

Omim ID [603253](#)

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. This gene encodes a glycosylated cysteine protease inhibitor with a putative role in immune regulation through inhibition of a unique target in the hematopoietic system. Expression of the protein has been observed in various human cancer cell lines established from malignant tumors. [provided by RefSeq]

Other Designations

OTTHUMP00000030465|cystatin 7|cystatin F|cystatin-like metastasis-associated protein|dJ568C11.1 (cystatin F (leukocystatin))|leukocystatin