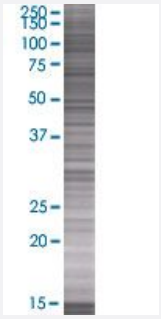
CST8 293T Cell Transient Overexpression Lysate(Denatured)

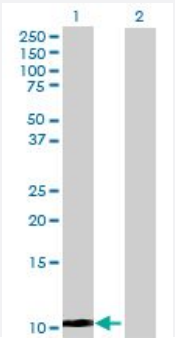
Catalog # H00010047-T01 Size 100 uL

Applications



SDS-PAGE Gel

CST8 transfected lysate.



Western Blot

Lane 1: CST8 transfected lysate (10.01 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CST8 full-length
Host	Human
Theoretical MW (kDa)	10.01
Interspecies Antigen Sequence	Mouse (62); Rat (65)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-CST8 antibody (H00010047-B01) by Western Blots. SDS-PAGE Gel CST8 transfected lysate. Western Blot Lane 1: CST8 transfected lysate (10.01 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CST8

Entrez GeneID	10047
GeneBank Accession#	BC069536.1
Protein Accession#	AAH69536.1
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