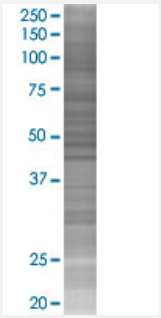
CTSC 293T Cell Transient Overexpression Lysate(Denatured)

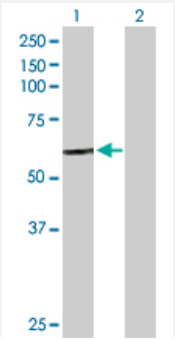
Catalog # H00001075-T02 Size 100 uL

Applications



SDS-PAGE Gel

CTSC transfected lysate.



Western Blot

Lane 1: CTSC transfected lysate (51.80 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CTSC full-length
Host	Human
Theoretical MW (kDa)	51.8
Interspecies Antigen Sequence	Mouse (78); Rat (80)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-CTSC antibody (H00001075-D01P) by Western Blots. SDS-PAGE Gel CTSC transfected lysate. Western Blot Lane 1: CTSC transfected lysate (51.80 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 — CTSC

Entrez GeneID	1075
GeneBank Accession#	NM_001814
Protein Accession#	NP_001805.1
Gene Name	CTSC
Gene Alias	CPPI, DPP1, DPPI, HMS, JP, JPD, PALS, PLS
Gene Description	cathepsin C
Omim ID	170650 245000 245010 602365
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that appears to be a central coordinator for activation of many serine proteinases in immune/inflammatory cells. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor, and a residual portion of the propeptide acts as an intramolecular chaperone for the folding and stabilization of the mature enzyme. This enzyme requires chloride ions for activity and can degrade glucagon. Defects in the encoded protein have been shown to be a cause of Papillon-Lefevre syndrome, an autosomal recessive disorder characterized by palmoplantar keratosis and periodontitis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	cathepsin J|dipeptidyl transferase|dipeptidyl-peptidase I

Pathway

- Lysosome

Disease

- Acute Disease
- Cardiovascular Diseases
- Chronic Disease
- Genetic Predisposition to Disease
- Inflammation
- Liver Diseases
- Periodontitis