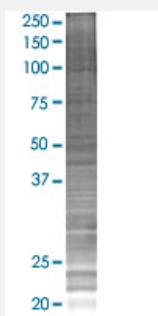


CTSL 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001514-T02

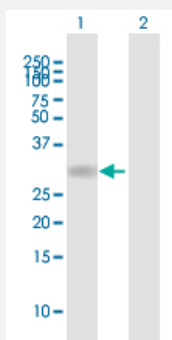
Size 100 uL

Applications



SDS-PAGE Gel

CTSL1 transfected lysate.



Western Blot

Lane 1: CTSL1 transfected lysate (37.60 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CTSL full-length

Host Human

Theoretical MW (kDa) 37.6

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CTSL antibody ([H00001514-D01P](#)) by Western Blots.

SDS-PAGE Gel

CTSL1 transfected lysate.

Western Blot

Lane 1: CTSL1 transfected lysate (37.60 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 — CTSL1

Entrez GeneID	1514
GeneBank Accession#	NM_001912.2
Protein Accession#	NP_001903.1
Gene Name	CTSL1
Gene Alias	CATL, CTSL, FLJ31037, MEP
Gene Description	cathepsin L1
Omim ID	116880
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a lysosomal cysteine proteinase that plays a major role in intracellular protein catabolism. Its substrates include collagen and elastin, as well as alpha-1 protease inhibitor, a major controlling element of neutrophil elastase activity. The encoded protein has been implicated in several pathologic processes, including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. This protein, which is a member of the peptidase C1 family, is a dimer composed of disulfide-linked heavy and light chains, both produced from a single protein precursor. At least two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
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Other Designations	OTTHUMP00000021601 OTTHUMP00000021602 OTTHUMP00000063566 cathepsin L major excreted protein
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Pathway

- [Antigen processing and presentation](#)
- [Lysosome](#)