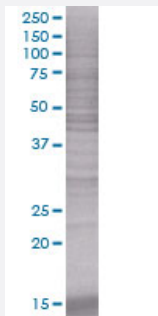


CTSD 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001509-T01

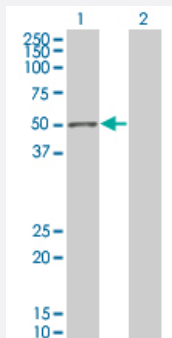
Size 100 uL

Applications



SDS-PAGE Gel

CTSD transfected lysate



Western Blot

Lane 1: CTSD transfected lysate (44.6 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CTSD full-length

Host Human

Theoretical MW (kDa) 44.6

Quality Control Testing Transient overexpression cell lysate was tested with Anti-CTSD antibody ([H00001509-B01](#)) by Western Blots.

SDS-PAGE Gel

CTSD transfected lysate

Western Blot

Lane 1: CTSD transfected lysate (44.6 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 — CTSD

Entrez GeneID

[1509](#)

GeneBank Accession#

[NM_001909](#)

Protein Accession#

[NP_001900](#)

Gene Name

CTSD

Gene Alias

CLN10, CPSD, MGC2311

Gene Description

cathepsin D

Omim ID

[116840 610127](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a lysosomal aspartyl protease composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. This proteinase, which is a member of the peptidase C1 family, has a specificity similar to but narrower than that of pepsin A. Transcription of this gene is initiated from several sites, including one which is a start site for an estrogen-regulated transcript. Mutations in this gene are involved in the pathogenesis of several diseases, including breast cancer and possibly Alzheimer disease. [provided by RefSeq]

Other Designations

lysosomal aspartyl peptidase|lysosomal aspartyl protease

Pathway

- [Lysosome](#)

Disease

- [Alzheimer disease](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Creutzfeldt-Jakob Syndrome](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Memory](#)
- [Mental Processes](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Parkinson disease](#)
- [Periodontitis](#)