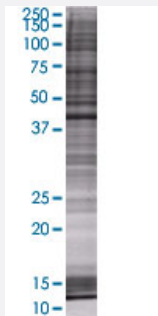


CTH 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001491-T01

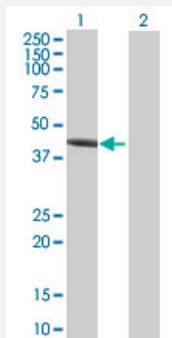
Size 100 uL

Applications



SDS-PAGE Gel

CTH transfected lysate.



Western Blot

Lane 1: CTH transfected lysate (44.66 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CTH full-length

Host Human

Theoretical MW (kDa) 44.66

Quality Control Testing Transient overexpression cell lysate was tested with Anti-CTH antibody ([H00001491-B01](#)) by Western Blots.
SDS-PAGE Gel
CTH transfected lysate.
Western Blot
Lane 1: CTH transfected lysate (44.66 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 — CTH

Entrez GeneID[1491](#)**GeneBank Accession#**[NM_001902.4](#)**Protein Accession#**[NP_001893.2](#)**Gene Name**

CTH

Gene Alias

MGC9471

Gene Description

cystathionase (cystathionine gamma-lyase)

Omim ID[219500 607657](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a cytoplasmic enzyme in the trans-sulfuration pathway that converts cystathionine derived from methionine into cysteine. Glutathione synthesis in the liver is dependent upon the availability of cysteine. Mutations in this gene cause cystathioninuria. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

OTTHUMP00000010945|OTTHUMP00000010946|cystathionase|cysteine desulfhydrase|gamma-cystathionase|homoserine deaminase|homoserine dehydratase

Pathway

- [Cysteine and methionine metabolism](#)
- [Glycine](#)
- [Metabolic pathways](#)
- [Nitrogen metabolism](#)

- [Selenoamino acid metabolism](#)

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Infertility](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Spinal Dysraphism](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)