



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## CTH 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00001491-T01

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

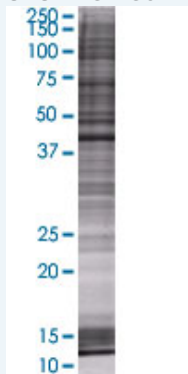
**Plasmid:** pCMV-CTH full-length

**Host:** Human

**Theoretical MW (kDa):** 44.66

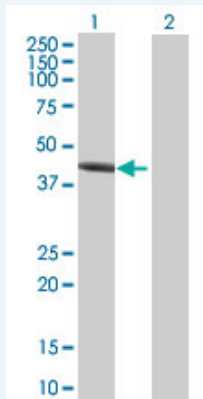
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-CTH antibody (H00001491-B01) by Western Blots.

#### 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.

**MSDS:**  [Download](#)

### Applications

## Western Blot

### Gene Information

Entrez GeneID: [1491](#)

GeneBank [NM\\_001902.4](#)  
Accession#:

Protein [NP\\_001893.2](#)  
Accession#:

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 cystathione 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

### Gene Pathway

[Cysteine and methionine metabolism](#) [Glycine, serine and threonine metabolism](#)  
[Metabolic pathways](#) [Nitrogen metabolism](#) [Selenoamino acid metabolism](#)

### Related Disease

[Atherosclerosis](#) [Atherosclerosis](#) [Calcinosis](#) [Cardiovascular Diseases](#) [Carotid Stenosis](#)  
[Cleft Lip](#) [Cleft Palate](#) [Coronary Artery Disease](#) [Diabetes Mellitus, Type 2](#) [Edema](#)  
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