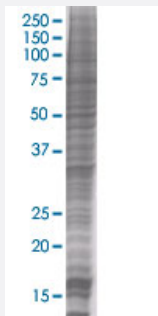


AMT 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000275-T01

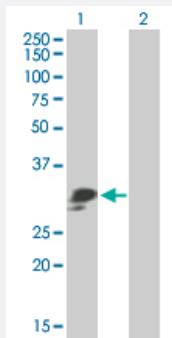
Size 100 uL

Applications



SDS-PAGE Gel

AMT transfected lysate



Western Blot

Lane 1: AMT transfected lysate (31.9 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-AMT full-length
Host	Human
Theoretical MW (kDa)	31.9
Interspecies Antigen Sequence	Mouse (89); Rat (91)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-AMT antibody ([H00000275-B01](#)) by Western Blots.
SDS-PAGE Gel
AMT transfected lysate
Western Blot
Lane 1: AMT transfected lysate (31.9 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 — AMT

Entrez GeneID[275](#)**GeneBank Accession#**[BC007546](#)**Protein Accession#**[AAH07546](#)**Gene Name**

AMT

Gene Alias

GCE, GCST, NKH

Gene Description

aminomethyltransferase

Omim ID[238310 605899](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The enzyme system for cleavage of glycine (glycine cleavage system; EC 2.1.2.10), which is confined to the mitochondria, is composed of 4 protein components: P protein (a pyridoxal phosphate-dependent glycine decarboxylase; MIM 238300), H protein (a lipoic acid-containing protein; MIM 238330), T protein (a tetrahydrofolate-requiring enzyme), and L protein (a lipoamide dehydrogenase; MIM 238331). Glycine encephalopathy (GCE; MIM 605899) may be due to a defect in any one of these enzymes.[supplied by OMIM]

Other Designations

glycine cleavage system protein T

Pathway

- [Glycine](#)
- [Metabolic pathways](#)
- [Nitrogen metabolism](#)
- [One carbon pool by folate](#)

Disease

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperglycinemia](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Spinal Dysraphism](#)
- [Werner syndrome](#)