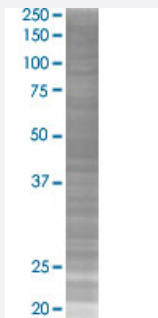


GART 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002618-T02

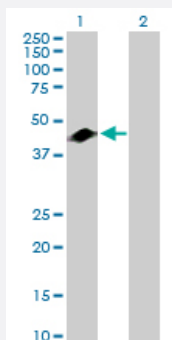
Size 100 uL

Applications



SDS-PAGE Gel

GART transfected lysate.



Western Blot

Lane 1: GART transfected lysate (46.00 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-GART full-length
Host	Human
Theoretical MW (kDa)	46
Interspecies Antigen Sequence	Mouse (86); Rat (86)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-GART antibody ([H00002618-D01P](#)) by Western Blots.
SDS-PAGE Gel
GART transfected lysate.
Western Blot
Lane 1: GART transfected lysate (46.00 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 — GART

Entrez GeneID

[2618](#)

GeneBank Accession#

[NM_175085.1](#)

Protein Accession#

[NP_780294.1](#)

Gene Name

GART

Gene Alias

AIRS, GARS, GARTF, MGC47764, PAIS, PGFT, PRGS

Gene Description

phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase

Omim ID

[138440](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a trifunctional polypeptide. It has phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase activity which is required for de novo purine biosynthesis. This enzyme is highly conserved in vertebrates. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

OTTHUMP00000068280|OTTHUMP00000068281|OTTHUMP00000068282|OTTHUMP00000068337|trifunctional purine biosynthetic protein adenosine-3

Pathway

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

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Ductus Arteriosus](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Spinal Dysraphism](#)
- [Tooth Abnormalities](#)