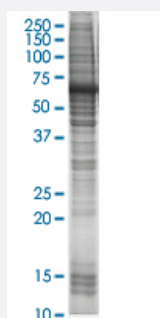


GALT HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

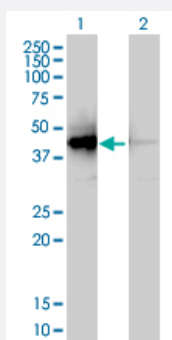
Catalog # L102T6 Size 100 ug

Applications



SDS-PAGE Gel

GALT transfected lysate



Western Blot

Lane 1: GALT transfected lysate (43 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-GALT full length
Host	Human
Theoretical MW (kDa)	43
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-GALT antibody ([H00002592-M01](#)) by Western Blots.
SDS-PAGE Gel
GALT transfected lysate
Western Blot
Lane 1: GALT transfected lysate (43 KDa).
Lane 2: Non-transfected lysate.

Recommend Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

Gene Info — GALT

Entrez GeneID

[2592](#)

GeneBank Accession#

[BC015045](#)

Protein Accession#

[AAH15045](#)

Gene Name

GALT

Gene Alias

-

Gene Description

galactose-1-phosphate uridylyltransferase

Omim ID

[230400](#) [606999](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Galactose-1-phosphate uridyl transferase (GALT) catalyzes the second step of the Leloir pathway of galactose metabolism, namely the conversion of UDP-glucose + galactose-1-phosphate to glucose-1-phosphate + UDP-galactose. The absence of this enzyme results in classic galactosemia in humans and can be fatal in the newborn period if lactose is not removed from the diet. The pathophysiology of galactosemia has not been clearly defined. [provided by RefSeq]

Other Designations

OTTHUMP00000021298|galactose-1-phosphate uridyl transferase

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Galactose metabolism](#)
- [Metabolic pathways](#)

Disease

- [Amenorrhea](#)
- [Cataract](#)
- [Diabetes Mellitus](#)
- [Endometriosis](#)
- [Galactosemias](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Mental Retardation](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Phenylketonuria](#)
- [Phenylketonurias](#)

- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Syndrome](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)