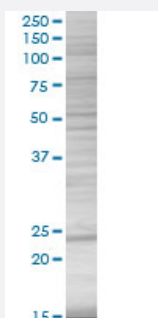


DHFR 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001719-T01

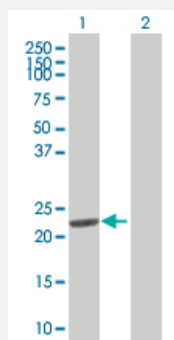
Size 100 uL

Applications



SDS-PAGE Gel

DHFR transfected lysate.



Western Blot

Lane 1: DHFR transfected lysate (21.5 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-DHFR full-length

Host Human

Theoretical MW (kDa) 21.5

Quality Control Testing Transient overexpression cell lysate was tested with Anti-DHFR antibody ([H00001719-B01](#)) by Western Blots.
 SDS-PAGE Gel
 DHFR transfected lysate.
 Western Blot
 Lane 1: DHFR transfected lysate (21.5 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 — DHFR

Entrez GeneID[1719](#)**GeneBank Accession#**[NM_000791.3](#)**Protein Accession#**[-](#)**Gene Name**

DHFR

Gene Alias[-](#)**Gene Description**

dihydrofolate reductase

Omim ID[126060](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Dihydrofolate reductase converts dihydrofolate into tetrahydrofolate, a methyl group shuttle required for the de novo synthesis of purines, thymidylc acid, and certain amino acids. While the functional dihydrofolate reductase gene has been mapped to chromosome 5, multiple intronless processed pseudogenes or dihydrofolate reductase-like genes have been identified on separate chromosomes. Dihydrofolate reductase deficiency has been linked to megaloblastic anemia. [provided by RefSeq]

Other Designations[-](#)

Pathway

- [Biosynthesis of phenylpropanoids](#)
- [Folate biosynthesis](#)
- [Metabolic pathways](#)

- [One carbon pool by folate](#)

Disease

- [Adrenoleukodystrophy](#)
- [Alcoholism](#)
- [Arthritis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Demyelinating Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Heart Defects](#)
- [Hypertension](#)

- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Intracranial Aneurysm](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Metabolic Diseases](#)
- [Microsatellite Instability](#)
- [Musculoskeletal Diseases](#)
- [Neoplasms](#)
- [Neural Tube Defects](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Skin Diseases](#)
- [Spinal Dysraphism](#)
- [Thrombosis](#)

- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)