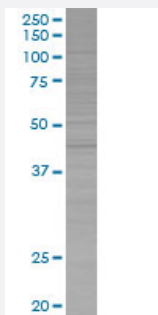


DHCR7 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00001717-T01

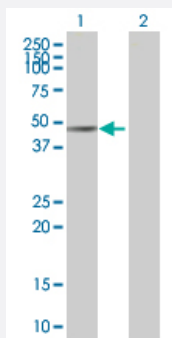
Size 100 uL

Applications



SDS-PAGE Gel

DHCR7 transfected lysate.



Western Blot

Lane 1: DHCR7 transfected lysate (54.5 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-DHCR7 full-length

Host Human

Theoretical MW (kDa) 54.5

Quality Control Testing Transient overexpression cell lysate was tested with Anti-DHCR7 antibody ([H00001717-B01](#)) by Western Blots.
SDS-PAGE Gel
DHCR7 transfected lysate.
Western Blot
Lane 1: DHCR7 transfected lysate (54.5 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 — DHCR7

Entrez GeneID	1717
GeneBank Accession#	NM_001360.1
Protein Accession#	-
Gene Name	DHCR7
Gene Alias	SLOS
Gene Description	7-dehydrocholesterol reductase
Omim ID	270400 602858
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme that removes the C(7-8) double bond in the B ring of sterols and catalyzes the conversion of 7-dehydrocholesterol to cholesterol. This gene is ubiquitously expressed and its transmembrane protein localizes to the endoplasmic reticulum membrane and nuclear outer membrane. Mutations in this gene cause Smith-Lemli-Opitz syndrome (SLOS); a syndrome that is metabolically characterized by reduced serum cholesterol levels and elevated serum 7-dehydrocholesterol levels and phenotypically characterized by mental retardation, facial dysmorphism, syndactyly of second and third toes, and holoprosencephaly in severe cases to minimal physical abnormalities and near-normal intelligence in mild cases. Alternative splicing results in multiple transcript variants that encode the same protein
Other Designations	delta-7-dehydrocholesterol reductase

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)

- [Biosynthesis of terpenoids and steroids](#)
- [Metabolic pathways](#)
- [Steroid biosynthesis](#)

Disease

- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Diseases in Twins](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Obstetric Labor](#)
- [Smith-Lemli-Opitz Syndrome](#)
- [Social Perception](#)
- [Vitamin D Deficiency](#)