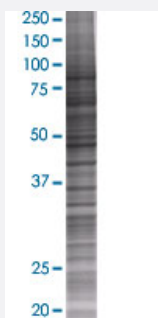


CYP7B1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00009420-T02

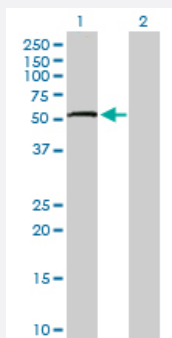
Size 100 uL

Applications



SDS-PAGE Gel

CYP7B1 transfected lysate.



Western Blot

Lane 1: CYP7B1 transfected lysate (58.3 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SPEX2 full-length
Host	Human
Theoretical MW (kDa)	58.3
Interspecies Antigen Sequence	Mouse (67); Rat (66)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CYP7B1 antibody ([H00009420-B01](#)) by Western Blots.
SDS-PAGE Gel
CYP7B1 transfected lysate.
Western Blot
Lane 1: CYP7B1 transfected lysate (58.3 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 — CYP7B1

Entrez GeneID

[9420](#)

GeneBank Accession#

[NM_004820.2](#)

Protein Accession#

[NP_004811.1](#)

Gene Name

CYP7B1

Gene Alias

CBAS3, CP7B, SPG5A

Gene Description

cytochrome P450, family 7, subfamily B, polypeptide 1

Omim ID

[603711](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway of extrahepatic tissues, which converts cholesterol to bile acids. This enzyme likely plays a minor role in total bile acid synthesis, but may also be involved in the development of atherosclerosis, neurosteroid metabolism and sex hormone synthesis. [provided by RefSeq]

Other Designations

cytochrome P450, subfamily VII B (oxysterol 7 alpha-hydroxylase), polypeptide 1|oxysterol 7 alpha-hydroxylase

Pathway

- [Primary bile acid biosynthesis](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)