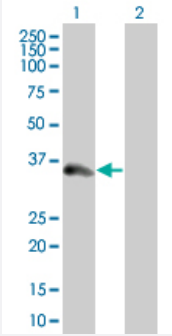
SCP2 293T Cell Transient Overexpression Lysate(Denatured)

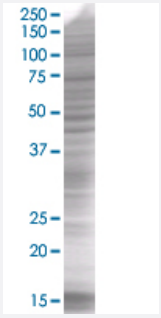
Catalog # H00006342-T01 Size 100 uL

Applications



Western Blot

Lane 1: SCP2 transfected lysate (35 KDa)
Lane 2: Non-transfected lysate.



SDS-PAGE Gel

SCP2 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SCP2 full-length
Host	Human
Theoretical MW (kDa)	35.53
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-SCP2 antibody (H00006342-B01) by Western Blots. Western Blot Lane 1: SCP2 transfected lysate (35 KDa) Lane 2: Non-transfected lysate. SDS-PAGE Gel SCP2 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 — SCP2

Entrez GeneID	6342
GeneBank Accession#	NM_001007098
Protein Accession#	NP_001007099
Gene Name	SCP2
Gene Alias	DKFZp686C12188, DKFZp686D11188, NLTP, NSL-TP, SCPX
Gene Description	sterol carrier protein 2
Omim ID	184755
Gene Ontology	Hyperlink
Gene Summary	This gene encodes two proteins: sterol carrier protein X (SCPx) and sterol carrier protein 2 (SCP2), as a result of transcription initiation from 2 independently regulated promoters. The transcript initiated from the proximal promoter encodes the longer SCPx protein, and the transcript initiated from the distal promoter encodes the shorter SCP2 protein, with the 2 proteins sharing a common C-terminus. Evidence suggests that the SCPx protein is a peroxisome-associated thiolase that is involved in the oxidation of branched chain fatty acids, while the SCP2 protein is thought to be an intracellular lipid transfer protein. This gene is highly expressed in organs involved in lipid metabolism, and may play a role in Zellweger syndrome, in which cells are deficient in peroxisomes and have impaired bile acid synthesis. Alternative splicing of this gene produces multiple transcript variants, some encoding different isoforms. The full-length nature of all transcript variants has not been determined. [provided by RefSeq
Other Designations	OTTHUMP00000010488|nonspecific lipid-transfer protein|sterol carrier protein X

Pathway

- Metabolic pathways

- PPAR signaling pathway
- Primary bile acid biosynthesis

Disease

- Asperger Syndrome
- Autistic Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Narcolepsy
- Social Perception