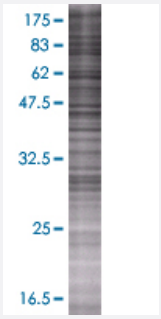
RDH12 293T Cell Transient Overexpression Lysate(Denatured)

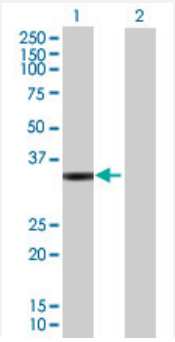
Catalog # H00145226-T01 Size 100 uL

Applications



SDS-PAGE Gel

RDH12 transfected lysate.



Western Blot

Lane 1: RDH12 transfected lysate (34.87 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-RDH12 full-length
Host	Human
Theoretical MW (kDa)	34.87
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-RDH12 antibody (H00145226-B01) by We stern Blots. SDS-PAGE Gel RDH12 transfected lysate. Western Blot Lane 1: RDH12 transfected lysate (34.87 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 — RDH12

Entrez GeneID	145226
GeneBank Accession#	NM_152443.1
Protein Accession#	NP_689656.1
Gene Name	RDH12
Gene Alias	FLJ30273, LCA3, SDR7C2
Gene Description	retinol dehydrogenase 12 (all-trans/9-cis/11-cis)
Omim ID	604232 608830
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an NADPH-dependent retinal reductase whose highest activity is toward 9-cis and all-trans-retinol. The encoded enzyme also plays a role in the metabolism of short-chain aldehydes but does not exhibit steroid dehydrogenase activity. Defects in this gene are a cause of Leber congenital amaurosis type 3 (LCA3). [provided by RefSeq
Other Designations	retinol dehydrogenase 12|retinol dehydrogenase 12, all-trans and 9-cis|short chain dehydrogenase/reductase family 7C, member 2

Pathway

- Metabolic pathways
- Retinol metabolism

Disease

- Blindness
- Leber hereditary optic neuropathy
- Optic Atrophy
- Retinal Diseases
- Retinitis Pigmentosa