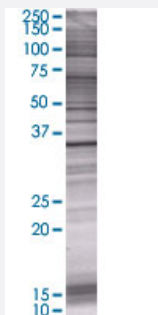


# AKR1D1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00006718-T01

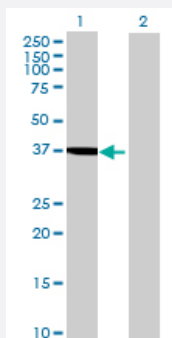
Size 100 uL

## Applications



### SDS-PAGE Gel

AKR1D1 transfected lysate.



### Western Blot

Lane 1: AKR1D1 transfected lysate ( 35.97 KDa)

Lane 2: Non-transfected lysate.

## Specification

|                         |                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transfected Cell Line   | 293T                                                                                                                                                                                                                                                                                                      |
| Plasmid                 | pCMV-AKR1D1 full-length                                                                                                                                                                                                                                                                                   |
| Host                    | Human                                                                                                                                                                                                                                                                                                     |
| Theoretical MW (kDa)    | 35.97                                                                                                                                                                                                                                                                                                     |
| Quality Control Testing | <p>Transient overexpression cell lysate was tested with Anti-AKR1D1 antibody (<a href="#">H00006718-B01</a>) by Western Blots.</p> <p>SDS-PAGE Gel</p> <p>AKR1D1 transfected lysate.</p> <p>Western Blot</p> <p>Lane 1: AKR1D1 transfected lysate ( 35.97 KDa)</p> <p>Lane 2: Non-transfected lysate.</p> |

|                     |                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------|
| 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 — AKR1D1

|                     |                                                                                                                                                                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">6718</a>                                                                                                                                                                                                                                                |
| GeneBank Accession# | <a href="#">NM_005989.2</a>                                                                                                                                                                                                                                         |
| Protein Accession#  | <a href="#">NP_005980.1</a>                                                                                                                                                                                                                                         |
| Gene Name           | AKR1D1                                                                                                                                                                                                                                                              |
| Gene Alias          | 3o5bred, SRD5B1                                                                                                                                                                                                                                                     |
| Gene Description    | aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)                                                                                                                                                                                    |
| Omim ID             | <a href="#">604741</a>                                                                                                                                                                                                                                              |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                           |
| Gene Summary        | The enzyme encoded by this gene is responsible for the catalysis of the 5-beta-reduction of bile acid intermediates and steroid hormones carrying a delta(4)-3-one structure. Deficiency of this enzyme may contribute to hepatic dysfunction. [provided by RefSeq] |
| Other Designations  | aldo-keto reductase family 1, member D1 steroid 5-beta-reductase steroid-5-beta-reductase, beta polypeptide 1 (3-oxo-5 beta-steroid delta 4-dehydrogenase beta 1)                                                                                                   |

## Pathway

- [Androgen and estrogen metabolism](#)
- [C21-Steroid hormone metabolism](#)
- [Metabolic pathways](#)
- [Primary bile acid biosynthesis](#)

## Disease

- [Tobacco Use Disorder](#)