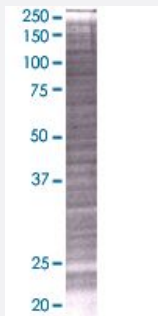


# SMAD5 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00004090-T01

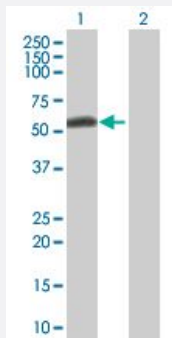
Size 100 uL

## Applications



### SDS-PAGE Gel

SMAD5 transfected lysate.



### Western Blot

Lane 1: SMAD5 transfected lysate ( 52.3 KDa)

Lane 2: Non-transfected lysate.

## Specification

|                               |                        |
|-------------------------------|------------------------|
| Transfected Cell Line         | 293T                   |
| Plasmid                       | pCMV-SMAD5 full-length |
| Host                          | Human                  |
| Theoretical MW (kDa)          | 52.3                   |
| Interspecies Antigen Sequence | Mouse (99); Rat (99)   |

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-SMAD5 antibody ([H00004090-B01](#)) by Western Blots.  
SDS-PAGE Gel  
SMAD5 transfected lysate.  
Western Blot  
Lane 1: SMAD5 transfected lysate ( 52.3 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 — SMAD5

**Entrez GeneID**[4090](#)**GeneBank Accession#**[NM\\_001001419.1](#)**Protein Accession#**[NP\\_001001419.1](#)**Gene Name**

SMAD5

**Gene Alias**

DKFZp781C1895, DKFZp781O1323, Dwfc, JV5-1, MADH5

**Gene Description**

SMAD family member 5

**Omim ID**[603110](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

mothers against decapentaplegic homolog 5|SMA- and MAD-related protein 5|SMAD

**Other Designations**

MAD homolog 5|MAD, mothers against decapentaplegic homolog 5|SMA- and MAD-related protein 5|SMAD, mothers against DPP homolog 5|mothers against decapentaplegic homolog 5|mothers against decapentaplegic, drosophila, homolog of, 5

## Pathway

- [TGF-beta signaling pathway](#)

## Disease

- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)