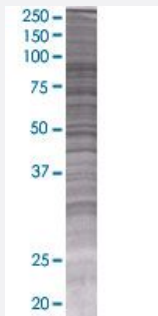


# H6PD 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00009563-T01

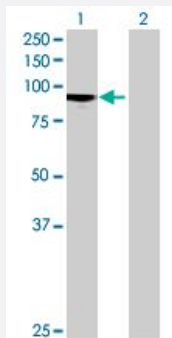
Size 100 uL

## Applications



### SDS-PAGE Gel

H6PD transfected lysate.



### Western Blot

Lane 1: H6PD transfected lysate ( 87.12 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-H6PD full-length
Host	Human
Theoretical MW (kDa)	87.12
Interspecies Antigen Sequence	Mouse (83); Rat (82)

## Quality Control Testing

Transient overexpression cell lysate was tested with Anti-H6PD antibody ([H00009563-B01](#)) by Western Blots.  
 SDS-PAGE Gel  
 H6PD transfected lysate.  
 Western Blot  
 Lane 1: H6PD transfected lysate ( 87.12 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 — H6PD

### Entrez GeneID

[9563](#)

### GeneBank Accession#

[BC081559.1](#)

### Protein Accession#

[AAH81559.1](#)

### Gene Name

H6PD

### Gene Alias

DKFZp686A01246, G6PDH, GDH, MGC87643

### Gene Description

hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)

### Omim ID

[138090 604931](#)

### Gene Ontology

[Hyperlink](#)

### Gene Summary

There are 2 forms of glucose-6-phosphate dehydrogenase. G form is X-linked and H form, encoded by this gene, is autosomally linked. This H form shows activity with other hexose-6-phosphates, especially galactose-6-phosphate, whereas the G form is specific for glucose-6-phosphate. Both forms are present in most tissues, but H form is not found in red cells. [provided by RefSeq]

### Other Designations

6-phosphogluconolactonase[G6PD, H form]GDH/6PGL endoplasmic bifunctional protein[OTTHU MP00000001703]glucose 1- dehydrogenase|glucose dehydrogenase|glucose dehydrogenase|glucose-6-phosphate dehydrogenase, salivary|hexose-6-phosphate dehydrogenase

## Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of plant hormones](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)

## Disease

- [Dementia](#)
- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)
- [Polycystic Ovary Syndrome](#)