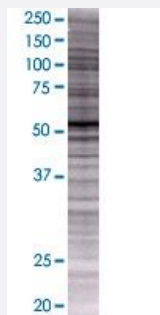


# UGP2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00007360-T01

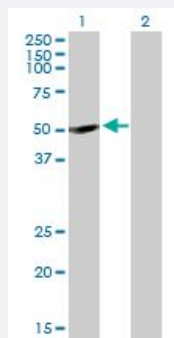
Size 100 uL

## Applications



### SDS-PAGE Gel

UGP2 transfected lysate.



### Western Blot

Lane 1: UGP2 transfected lysate ( 55.99 KDa)

Lane 2: Non-transfected lysate.

## Specification

|                               |                       |
|-------------------------------|-----------------------|
| Transfected Cell Line         | 293T                  |
| Plasmid                       | pCMV-UGP2 full-length |
| Host                          | Human                 |
| Theoretical MW (kDa)          | 55.99                 |
| Interspecies Antigen Sequence | Mouse (99); Rat (99)  |

## Quality Control Testing

Transient overexpression cell lysate was tested with Anti-UGP2 antibody ([H00007360-B01](#)) by Western Blots.  
 SDS-PAGE Gel  
 UGP2 transfected lysate.  
 Western Blot  
 Lane 1: UGP2 transfected lysate ( 55.99 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 — UGP2

### Entrez GeneID

[7360](#)

### GeneBank Accession#

[NM\\_006759](#)

### Protein Accession#

[NP\\_006750.3](#)

### Gene Name

UGP2

### Gene Alias

UDPG, UDPGP2, UGPP2, pH379

### Gene Description

UDP-glucose pyrophosphorylase 2

### Omim ID

[191760](#)

### Gene Ontology

[Hyperlink](#)

### Gene Summary

The enzyme encoded by this gene is an important intermediary in mammalian carbohydrate interconversions. It transfers a glucose moiety from glucose-1-phosphate to MgUTP and forms UDP-glucose and MgPPi. In liver and muscle tissue, UDP-glucose is a direct precursor of glycogen; in lactating mammary gland it is converted to UDP-galactose which is then converted to lactose. The eukaryotic enzyme has no significant sequence similarity to the prokaryotic enzyme. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

### Other Designations

UDP-glucose diphosphorylase|UGPase 2|UTP--glucose-1-phosphate uridylyltransferase 2|UTP-glucose-1-phosphate uridylyltransferase|uridylyl diphosphate glucose pyrophosphorylase 2

## Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Galactose metabolism](#)
- [Metabolic pathways](#)
- [Pentose and glucuronate interconversions](#)
- [Starch and sucrose metabolism](#)

## Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Hyperbilirubinemia](#)