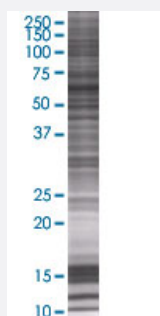


# P4HA1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005033-T01

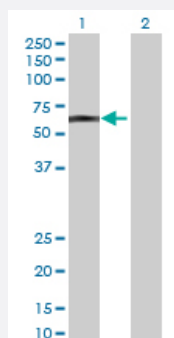
Size 100 uL

## Applications



### SDS-PAGE Gel

P4HA1 transfected lysate.



### Western Blot

Lane 1: P4HA1 transfected lysate ( 58.85 KDa)

Lane 2: Non-transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-P4HA1 full-length

**Host** Human

**Theoretical MW (kDa)** 58.85

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-P4HA1 antibody ([H00005033-B01](#)) by Western Blots.  
 SDS-PAGE Gel  
 P4HA1 transfected lysate.  
 Western Blot  
 Lane 1: P4HA1 transfected lysate ( 58.85 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 — P4HA1

Entrez GeneID	<a href="#">5033</a>
GeneBank Accession#	<a href="#">NM_001017962.1</a>
Protein Accession#	<a href="#">NP_001017962.1</a>
Gene Name	P4HA1
Gene Alias	P4HA
Gene Description	prolyl 4-hydroxylase, alpha polypeptide I
Omim ID	<a href="#">176710</a>
Gene Ontology	<a href="#">Hyperlink</a>

Gene Summary	This gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis composed of two identical alpha subunits and two beta subunits. The encoded protein is one of several different types of alpha subunits and provides the major part of the catalytic site of the active enzyme. In collagen and related proteins, prolyl 4-hydroxylase catalyzes the formation of 4-hydroxyproline that is essential to the proper three-dimensional folding of newly synthesized procollagen chains. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]
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Other Designations	C-P4Halpha(I) collagen prolyl 4-hydroxylase alpha(I) procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide II prolyl 4-hydroxylase, alpha I subunit
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## Pathway

- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)

## Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)