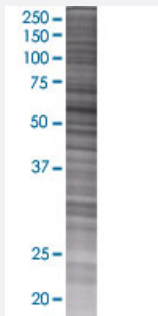


# P4HB 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005034-T01

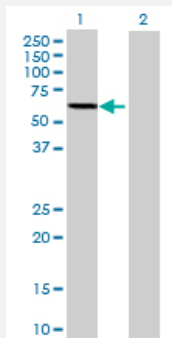
Size 100 uL

## Applications



### SDS-PAGE Gel

P4HB transfected lysate.



### Western Blot

Lane 1: P4HB transfected lysate ( 55.99 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-P4HB full-length
Host	Human
Theoretical MW (kDa)	55.99
Interspecies Antigen Sequence	Mouse (95)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-P4HB antibody ([H00005034-B01](#)) by Western Blots.  
SDS-PAGE Gel  
P4HB transfected lysate.  
Western Blot  
Lane 1: P4HB 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 — P4HB

**Entrez GeneID**[5034](#)**GeneBank Accession#**[NM\\_000918.2](#)**Protein Accession#**[NP\\_000909.2](#)**Gene Name**

P4HB

**Gene Alias**

DSI, ERBA2L, GIT, P4Hbeta, PDI, PDIA1, PHDB, PO4DB, PO4HB, PROHB

**Gene Description**

prolyl 4-hydroxylase, beta polypeptide

**Omim ID**[176790](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes the beta subunit of prolyl 4-hydroxylase, a highly abundant multifunctional enzyme that belongs to the protein disulfide isomerase family. When present as a tetramer consisting of two alpha and two beta subunits, this enzyme is involved in hydroxylation of prolyl residues in procollagen. This enzyme is also a disulfide isomerase containing two thioredoxin domains that catalyze the formation, breakage and rearrangement of disulfide bonds. Other known functions include its ability to act as a chaperone that inhibits aggregation of misfolded proteins in a concentration-dependent manner, its ability to bind thyroid hormone, its role in both the influx and efflux of S-nitrosothiol-bound nitric oxide, and its function as a subunit of the microsomal triglyceride transfer protein complex. [provided by RefSeq]

**Other Designations**

collagen prolyl 4-hydroxylase beta|glutathione-insulin transhydrogenase|procollagen-proline, 2-oxo glutarate 4-dioxygenase (proline 4-hydroxylase), beta polypeptide|prolyl 4-hydroxylase, beta subunit|protein disulfide isomerase family A, member 1|protein d

**Disease**

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- [Edema](#)