

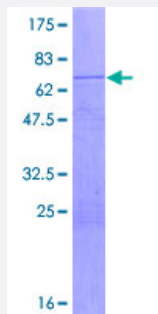
Full-Length

# DHH (Human) Recombinant Protein (P01)

Catalog # H00050846-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human DHH full-length ORF ( NP\_066382.1, 1 a.a. - 396 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MALLTNLLPLCCLALLALPAQSCGPGRGPVGRRRYARKQLVPLLYKQFVPGVPERTLGASGPAE  
GRVARGSERFRDLVPNYPDIIFKDEENSGADRLMTERCKERVNALAIAMNMWPGVRLRVTEG  
WDEDGHHAQDSLHYEGRALDITTSRDRNKYGLLARLAVEAGFDWVYYESRNVHVSVKADNSL  
AVRAGGCFPGNATVRLWSGERKGLRELHRGDWVLAADASGRVVPTPVLLFLDRDLQRRASFVA  
VETEWPPRKLLLTWHLVFAARGPAPAPGDFAPVFARRLRAGDSVLAPGGDALRPARVARVAR  
EEAVGVFAPLTAHGTLVNDVLASCYAVLESHQWAHRAFAPLRLLHALGALLPGGAVQPTGMHW  
YSRLLYRLAEELG

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

70

### Interspecies Antigen Sequence

Mouse (96); Rat (96)

### Preparation Method

[in vitro wheat germ expression system](#)

### Purification

Glutathione Sepharose 4 Fast Flow

### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — DHH

Entrez GeneID	<a href="#">50846</a>
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GeneBank Accession#	<a href="#">NM_021044.2</a>
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Protein Accession#	<a href="#">NP_066382.1</a>
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Gene Name	DHH
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Gene Alias	HHG-3, MGC35145
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Gene Description	desert hedgehog homolog (Drosophila)
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Omim ID	<a href="#">605423 607080</a>
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Gene Ontology	<a href="#">Hyperlink</a>
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Gene Summary	<p>This gene encodes a member of the Hedgehog family. The hedgehog gene family encodes signaling molecules that play an important role in regulating morphogenesis. This protein is predicted to be made as a precursor that is autocatalytically cleaved; the N-terminal portion is soluble and contains the signalling activity while the C-terminal portion is involved in precursor processing. More importantly, the C-terminal product covalently attaches a cholesterol moiety to the N-terminal product, restricting the N-terminal product to the cell surface and preventing it from freely diffusing throughout the organism. Defects in this protein have been associated with partial gonadal dysgenesis (PGD) accompanied by minifascicular polyneuropathy. This protein may be involved in both male gonadal differentiation and perineurial development. [provided by RefSeq]</p>
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Other Designations	desert hedgehog
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## Pathway

- [Hedgehog signaling pathway](#)