

## Recombinant Human HNF1B Protein, GST-tagged

Cat. No. HNF1B-4892H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human HNF1B full-length ORF ( NP_000449.1, 1 a.a. - 557 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	This gene encodes a member of the homeodomain-containing superfamily of transcription factors. The protein binds to DNA as either a homodimer, or a heterodimer with the related protein hepatocyte nuclear factor 1-alpha. The gene has been shown to function in nephron development, and regulates development of the embryonic pancreas. Mutations in this gene result in renal cysts and diabetes syndrome and noninsulin-dependent diabetes mellitus, and expression of this gene is altered in some types of cancer. Multiple transcript variants encoding different isoforms have been found for this gene
<b>Molecular Mass</b>	87.7 kDa
<b>AA Sequence</b>	MVSKLTSLQQELLSALLSSGVTKEVLVQALEELLPSPNFGVKLETLPSPGSGAEPD TKPVFHTLTNGHAKGRLSGDEGSEDGDDYDTPPILKELQALNTEEAQRAEVDRM LSEDPWRAAKMIKGYMQQHNIPQREVVDVTGLNQSHLSQHLNKGTPMKTQKRAAL YTWYVRKQREILRQFNQTVQSSGNMTDKSSQDQLLFLFPEFSQQSHGPGQSDDAC SEPTNKKMRRNRFKWGPASQQILYQAYDRQKNPSKEEREALVEECNRAECLQRGV SPSKAHGLGSNLVTEVRVYNWFANRRKEEAFRQKLAMDAYSNNQTHSLNPLLSHG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SPHHQPSSSPPNKLSGVRYSQQGNNEITSSSTISHHGNSAMVTSQSVLQQVSPASL  
 DPGHNLLSPDGKMISVSGGGLPPVSTLTNIHSLSHHNPQQSQNLIMTPLSGVMAIAQ  
 SLNTSQAQSVPVINSVAGSLAALQPVQFSQQLHSPHQQLMQQSPGSHMAQQPFM  
 AAVTQLQNSHMYAHKQEPPQYSHTSRFPSAMVVTDTSSISTLTNMSSSKQCPLQA  
 W

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

**Notes**  
 Best use within three months from the date of receipt of this protein.

**Storage**  
 Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**  
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**  
[HNF1B HNF1 homeobox B \[ Homo sapiens \]](#)

**Official Symbol**  
[HNF1B](#)

**Synonyms**  
 HNF1B; HNF1 homeobox B; TCF2, transcription factor 2, hepatic; LF B3; variant hepatic nuclear factor; hepatocyte nuclear factor 1-beta; HNF1beta; LFB3; MODY5; VHNF1; TCF-2; HNF-1B; HNF-1-beta; HNF1 beta A; homeoprotein LFB3; transcription factor 2, hepatic; FJHN; HNF2; TCF2; HPC11; LF-B3;

**Gene ID**  
[6928](#)

**mRNA Refseq**  
[NM\\_000458](#)

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**Protein Refseq** NP\_000449

**MIM** 189907

**UniProt ID** P35680

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