

# Recombinant Full Length Human HNF1B Protein, GST-tagged

**Cat. No.** HNF1B-3672HF    **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>	In Vitro Cell Free System
<b>ProteinLength</b>	557 amino acids
<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 LSEDPWRAAKMIKGYMQQHNIQREVVDVTGLNQSHLSQHLNKGTPMKTQKRAAL YTWYVRKQREILRQFNQTVQSSGNMTDKSSQDQLLFLFPEFSQQSHGPGQSDDAC SEPTNKKMRRNRFKWGPASQQILYQAYDRQKNPSKEEREALVEECNRAECLQRGV

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SPSKAHGLGSNLVTEVRVYNWFANRRKEEAFRQKLAMDAYSNNQTHSLNPLLSHG  
 SPHHQPSSSPNKLSGVRYSQQGNNEITSSSTISHHGNSAMVTSQSVLQQVSPASL  
 DPGHNLLSPDGKMISVSGGGLPPVSTLTNIHSLSHHNPQQSQNLIMTPLSGVMAIAQ  
 SLNTSQAQSVPVINSVAGSLAALQPVQFSQQLHSPHQQLMQQSPGSHMAQQPFM  
 AAVTQLQNSHMYAHKQEPQYSHTSRFPSAMVVTDTSSISTLTNMSSSKQCPLQA  
 W

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">HNF1B</a> <a href="#">HNF1 homeobox B [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">HNF1B</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">6928</a>

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mRNA Refseq	NM_000458
Protein Refseq	NP_000449
MIM	189907
UniProt ID	P35680

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