

Recombinant Human HNF1B Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human HNF1B full-length ORF (NP_000449.1, 1 a.a. - 557 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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
Molecular Mass	87.7 kDa
AA Sequence	MVSKLTSLQQELLSALLSSGVTKEVLVQALEELLSPNFGVKLETLPSPGSGAEPD TKPVFHTLTNGHAKGRLSGDEGSEDGDDYDTPPILKELQALNTEEAQRAEVDRM LSEDPWRAAKMIKGYMQQHNIPQREVVDVTGLNQSHLSQHLNKGTPMKTQKRAAL YTWYVRKQREILRQFNQTVQSSGNMTDKSSQDQLLFLFPEFSQQSHGPGQSDDAC SEPTNKKMRRNRFKWGPASQQILYQAYDRQKNPSKEEREALVEECNRAECLQRGV SPSKAHGLGSNLVTEVRVYNWFANRRKEEAFRQKLAMDAYSNNQTHSLNPLLSHG

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

SPHHQPSSSPPNKLSGVRYSQQGNNEITSSSTISHHGNSAMVTSQSVLQQVSPASL
DPGHNLLSPDGKMISVSGGGLPPVSTLTNIHSLSHHNPQQSQNLIMTPLSGVMAIAQ
SLNTSQAQSVPVINSVAGSLAALQPVQFSQQLHSPHQQLMQQSPGSHMAQQPFM
AAVTQLQNSHMYAHKQEPQYSHTSRFPSAMVVTDTSSISTLTNMSSSKQCPLQA
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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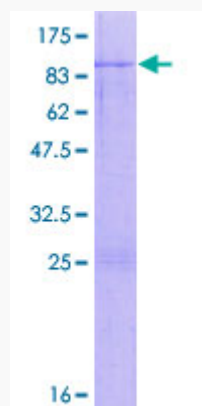
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Protein Refseq NP_000449

MIM 189907

UniProt ID P35680

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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