

Recombinant Full Length Human HNF1B Protein, GST-tagged

Cat. No. HNF1B-3672HF **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	In Vitro Cell Free System
ProteinLength	557 amino acids
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	MVSKLTSLQQELLSALLSSGVTKEVLVQALEELLPSNFGVKLETLPSPGSGAEPD TKPVFHTLTNGHAKGRLSGDEGSEDGDDYDTPPILKELQALNTEEAQRAEVDRM LSEDPWRAAKMIKGYMQQHNIPQREVVDVTGLNQSHLSQHLNKGTPMKTQKRAAL YTWYVRKQREILRQFNQTVQSSGNMTDKSSQDQLLFLFPEFSQQSHGPGQSDDAC SEPTNKKMRRNRFKWGPASQQILYQAYDRQKNPSKEEREALVEECNRAECLQRGV

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SPSKAHGLGSNLVTEVRVYNWFANRRKEEAFRQKLAMDAYSSNQTHSLNPLLSHG
 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

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mRNA Refseq	NM_000458
Protein Refseq	NP_000449
MIM	189907
UniProt ID	P35680

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