

Product datasheet for **TP304453M**

HNF1 beta (HNF1B) (NM_000458) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human HNF1 homeobox B (HNF1B), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC204453 protein sequence
Red=Cloning site **Green**=Tags(s)

MVSKLTSLQEQELLSALLSSGVTKEVLVQALEELLPSNFGVKLETLPSPGSGAEPDTPKVFHTLTNGHA
KGRLSGDEGSEDGDDYDTPPILKELQALNTEEAEEQRAEVDRLSEDPWRAAKMIKGYMQQHNPQREV
DVTGLNQSHLSQHLNKGTPMKTQKRAALTYWYVRKQREILRQFNQTVQSSGNMTDKSSQDQLLFLFPEFS
QQSHGPGQSDDACSEPTNKKMRRNRFKWGPASQQILYQAYDRQKNPSKEEREALVEECNRAECLQRGVSP
SKAHGLGSNLVTEVRVYNWFANRRKEEAFRQKLAMDAYSNNQTHSLNPLLSHGSPHHQPSSSPNKLSGV
RYSQQGNNEITSSSTISHHGNSAMVTSQSVLQQVSPASLDPGHNLLSPDGKMISVSGGLPPVSTLTNIH
SLSHHNPQQSQNLIMTPLSGVMAIAQSLNTSQAQSVPVINSVAGSLAALQPQVFSQQLHSPHQQLPLMQQS
PGSHMAQQPFMAAVTQLQNSHMYAHKQEPQYSHTSRFPSAMVVTDTSSISTLTNMSSSKQCPLQAW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

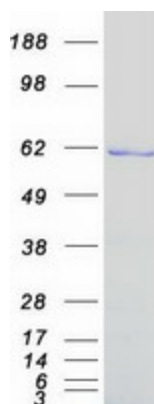
Tag: C-Myc/DDK
Predicted MW: 61.1 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C.
Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq:	NP_000449
Locus ID:	6928
UniProt ID:	P35680 , Q6FHW6
RefSeq Size:	2842
Cytogenetics:	17q12
RefSeq ORF:	1671
Synonyms:	ADTKD3; FJHN; HNF-1-beta; HNF-1B; HNF1beta; HNF2; HPC11; LF-B3; LFB3; MODY5; RCAD; T2D; TCF-2; TCF2; VHNF1
Summary:	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.[provided by RefSeq, Sep 2009]
Protein Families:	Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors
Protein Pathways:	Maturity onset diabetes of the young

Product images:



Coomassie blue staining of purified HNF1B protein (Cat# [TP304453]). The protein was produced from HEK293T cells transfected with HNF1B cDNA clone (Cat# [RC204453]) using MegaTran 2.0 (Cat# [TT210002]).