

# Recombinant Full Length Human HNF4A Protein, GST-tagged

**Cat. No.** HNF4A-3676HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human HNF4A full-length ORF ( NP_849180.1, 1 a.a. - 464 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>	464 amino acids
<b>Description</b>	The protein encoded by this gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq]
<b>Molecular Mass</b>	78 kDa
<b>AA Sequence</b>	MRLSKTLVDMDMADYSAALDPAYTTLEFENVQVLTMGNDTSPSEGTLNAPNSLGV SALCAICGDRATGKHYGASSCDGCKGFFRRSVRKNHMYSCRFSRQCVDKDKRN QCRYCRLKKCFRAGMKKEAVQNERDRISTRSSYEDSSLPSINALLQAEVLSRQITS PVSGINGDIRAKKIASIADVCEMKEQLLVLEWAKYIPAFCELPDDQVALLRAHAG EHLGATKRSMVFKDVLGNDYIVPRHCPPELAEMSRVSIRILDELVLFPQELQIDN

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EYAYLKAIFFDPDAKGLSDPGKIKRLRSQVQVSLEDYINDRQYDSRGRFGELLLLLPT  
 LQSITWQMIEQIQFIKLFMGMAKIDNLLQEMLLGGSPSDAPHAHHPLHPLMQEHMGT  
 NVIVANTMPTHLSNGQMSTPETPQPSPPPGGSGSEPYKLLPGAVATIVKPLSAIPQPTI  
 TKQEVI

<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>	HNF4A hepatocyte nuclear factor 4, alpha [ Homo sapiens ]
<b>Official Symbol</b>	HNF4A
<b>Synonyms</b>	HNF4A; hepatocyte nuclear factor 4, alpha; MODY, MODY1, TCF14; hepatocyte nuclear factor 4-alpha; HNF4; NR2A1; TCF-14; HNF-4-alpha; HNF4alpha10/11/12; transcription factor 14; transcription factor-14; transcription factor HNF-4; hepatic nuclear factor 4 alpha; nuclear receptor subfamily 2 group A member 1; TCF; MODY; MODY1; TCF14; HNF4a7; HNF4a8; HNF4a9; NR2A21; HNF4alpha; FLJ39654;
<b>Gene ID</b>	3172
<b>mRNA Refseq</b>	NM_000457

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**Protein Refseq** NP\_000448

**MIM** 600281

**UniProt ID** P41235

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