

Recombinant Full Length Human HNF4A Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human HNF4A full-length ORF (NP_849180.1, 1 a.a. - 464 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	464 amino acids
Description	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]
Molecular Mass	78 kDa
AA Sequence	MRLSKTLVDMMDADYSAALDPAYTTLEFENVQVLTMGNDTSPSEGTLNAPNSLGV SALCAICGDRATGKHYGASSCDGCKGFFRRSVRKNHMYSCRFSRQCVVDKDKRN QCRYCRLKKCFRAGMKKEAVQNERDRISTRSSYEDSSLPSINALLQAEVLSRQITS PVSGINGDIRAKKIASIADVCEMKEQLLVLEWAKYIPAFCELPLDDQVALLRAHAG EHLLLGATKRSMVFKDVLVLLGNDYIVPRHCPELAEMSRVSIRILDELVLPPFQELQIDDN

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EYAYLKAIFFDPDAKGLSDPGKIKRLRSQVQVSLEDYINDRQYDSRGRFGELLLLLPT
LQSITWQMIEQIQFIKLFGMAKIDNLLQEMLLGGSPSDAPHAHHPLHPLMQEHMGT
NVIVANTMPTHLSNGQMSTPETPQPSPPGGSGSEPYKLLPGAVATIVKPLSAIPQPTI
TKQEV

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 HNF4A hepatocyte nuclear factor 4, alpha [Homo sapiens]

Official Symbol HNF4A

Synonyms 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;

Gene ID 3172

mRNA Refseq NM_000457

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Protein Refseq	NP_000448
MIM	600281
UniProt ID	P41235

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