

Recombinant Human HNF4A

Cat. No. HNF4A-28507TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human HNF4 (amino acids 324-423) with N terminal proprietary tag, 36.63kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	<p>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.</p>
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	NDRQYDSRGRFGELLPTLQSIWQMIEQIQFIKLFGMKIDNLLQEMLLGGSPSD APHAHPLHPHLMQEHEMGTNVIVANTMPHLSNGQMCEWPRP
Sequence Similarities	Belongs to the nuclear hormone receptor family. NR2 subfamily. Contains 1 nuclear receptor DNA-binding domain.

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;
Gene ID	3172
mRNA Refseq	NM_000457
Protein Refseq	NP_000448
MIM	600281
Uniprot ID	P41235
Chromosome Location	20q13.12
Pathway	Developmental Biology, organism-specific biosystem; FOXA2 and FOXA3

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transcription factor networks, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; HIF-1-alpha transcription factor network, organism-specific biosystem;

Function

DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; activating transcription factor binding; fatty acid binding; fatty-acyl-CoA binding;

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