

Recombinant Human HNF4A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HNF4A-3312H Lot. No. (See product label)

SPECIFICATION

Product Overview

HNF4A MS Standard C13 and N15-labeled recombinant protein (NP_000448) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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 encoding several different isoforms.

Molecular Mass

53.2 kDa

AA Sequence

MRLSKTLVDMDMADYSAALDPAYTTLEFENVQVLTMGNDTSPSEGTLNAPNSLGV
SALCAICGDRATGKHYGASSCDGCKGFFRRSVRKNHMYSCRFSRQCVDKDKRN
QCRYCRLKCKFRAGMKKEAVQNERDRISTRSSYEDSSLPSINALLQAEVLSRQITS
PVSGINGDIRAKKIASIADVCEMKEQLLVLEWAKYIPAFCELPLDDQVALLRAHAG
EHLGATKRSMVFKDVLLGNDYIVPRHCPPELAEMSRVSIRILDELVLFPQELQIDDN

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EYAYLKAIFFDPDAKGLSDPGKIKRLRSQVQVSLEDYINDRQYDSRGRFGELLLLLPT
 LQSITWQMIEQIQFIKLFGMAKIDNLLQEMLLGGSPSDAPHAHHPLHPLMQEHMGT
 NVIVANTMPTHLSNGQMCEWPRPRGQAATPETPQPSPPPGGSGSEPYKLLPGAVATI
 VKPLSAIPQPTITKQEVITRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [HNF4A hepatocyte nuclear factor 4 alpha \[Homo sapiens \(human\) \]](#)

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

SDS-PAGE



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