

Recombinant Full Length Human HNF4A Protein, C-Flag-tagged

Cat. No. HNF4A-88HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HNF4A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	52.6 kDa
AA Sequence	MRLSKTLVDMDMADYSAALDPAYTTLEFENVQVLTMGNDTSPSEGTLNAPNSLGV SALCAICGDRATGK HYGASSCDGCKGFFRRSVRKNHMYSCRFSRQCVDKDKRN QCRYCRLKKCFRAGMKKEAVQNERDRISTR RSSYEDSSLPSINALLQAEVLSRQITS PVSGINGDIRAKKIASIADVCEMKEQLLVLEWAKYIPAFCE LPLDDQVALLRAHAG

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EHLLLGATKRSMVFKDVLLLGNDYIVPRHCPELAEMSRVSIRILDELVLPPFQELQ IDD
 NEYAYLKAIFFDPDAKGLSDPGKIKRLRSQVQVSLEDYINDRQYDSRGRFGELLLLL
 PTLQSITWQ MIEQIQFIKLFGMAKIDNLLQEMLLGGSPSDAPHAHHPLHPHLMQEHEM
 GTNVIVANTMPHLSNGQMCEW
 PRPRGQAATPETPQPSPPGSGSEPYKLLPGAVATIVKPLSAIPQPTITKQEVITRTR
 PLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways	Maturity onset diabetes of the young
Full Length	Full L.

GENE INFORMATION

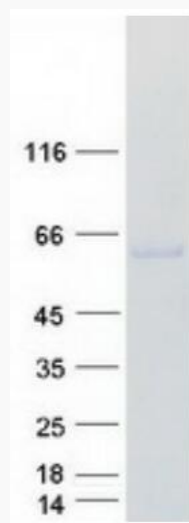
Gene Name	HNF4A hepatocyte nuclear factor 4 alpha [Homo sapiens (human)]
Official Symbol	HNF4A

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Synonyms	TCF; HNF4; MODY; FRTS4; MODY1; NR2A1; TCF14; HNF4a7; HNF4a8; HNF4a9; NR2A21; TCF-14; HNF4alpha
Gene ID	3172
mRNA Refseq	NM_000457.6
Protein Refseq	NP_000448.3
MIM	600281
UniProt ID	P41235



Coomassie blue staining of purified HNF4A protein.

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