Recombinant Human HNF1A Protein, His-tagged

Cat. No. HNF1A-2249H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HNF1A Protein (Glu71-Arg271) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu71-Arg271
Description	The protein encoded by this gene is a transcription factor required for the expression of several liver-specific genes. The encoded protein functions as a homodimer and binds to the inverted palindrome 5'-GTTAATNATTAAC-3'. Defects in this gene are a cause of maturity onset diabetes of the young type 3 (MODY3) and also can result in the appearance of hepatic adenomas. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.1 kDa Accurate Molecular Mass: 34 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 97%

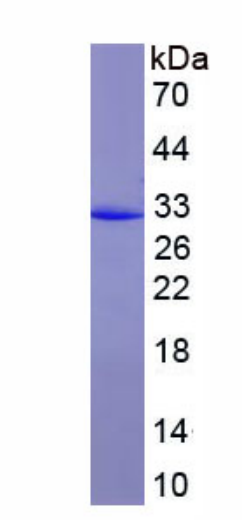
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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	HNF1A HNF1 homeobox A [Homo sapiens (human)]
Official Symbol	HNF1A
Synonyms	HNF1A; HNF1 homeobox A; MODY3, TCF1, transcription factor 1, hepatic; LF B1, hepatic nuclear factor (HNF1), albumin proximal factor; hepatocyte nuclear factor 1-alpha; HNF1; LFB1; HNF-1-alpha; albumin proximal factor; hepatic nuclear factor 1; transcription factor 1, hepatic; interferon production regulator factor; liver-specific transcription factor LF-B1; TCF1; MODY3; TCF-1; HNF-1A; IDDM20;
Gene ID	6927
mRNA Refseq	NM_000545

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Protein Refseq	NP_000536
MIM	142410
UniProt ID	P20823
	

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