

## Recombinant Human HNF4A protein, His-tagged

**Cat. No.** HNF4A-2893H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | Recombinant Human HNF4A protein(68 - 335 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 68 - 335 aa                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole. |
| <b>AA Sequence</b>      | CRFSRQCVDKDKRNQCRYCRLKKCFRAGMKKEAVQNERDRISTRSSYEDSSLP<br>SINALLQAEVLSRQITSPVSGINGDIRAKKIASIADVCESMKEQLLVLEWAKYIPAFCE<br>LPLDDQVALLRAHAGEHLLLGATKRSMVFKDVLGNDYIVPRHCPELAEMSRVSIRI<br>LDELVLFPQELQIDDNEYAYLKAIIFDPAKGLSDPGKIKRLRSQVQVSLEDYINDRQ<br>YDSRGRFG                           |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                |

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution</b> | Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.<br>Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage. |
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## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | HNF4A hepatocyte nuclear factor 4, alpha [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b> | HNF4A                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 3172                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_000457                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_000448                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>             | 600281                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>      | P41235                                                                                                                                                                                                                                                                                                                                                                                            |

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