

Datasheet for ABIN7563345
HNF4A Protein (AA 1-474) (His tag)



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Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | HNF4A |
| Protein Characteristics: | AA 1-474 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This HNF4A protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

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|-----------|---|
| Purpose: | Custom-made recombinat Hnf4a Protein expressed in mammalian cells. |
| Sequence: | <p>MRLSKTLAGM DMADYSAALD PAYTTLEFEN VQVLTMGNDT SPSEGANLNS SNSLGVSALC AICGDRATGK HYGASSCDGC KGFFRRSVRK NHMYSCRFSS QCVVDKDKRN QCRYCRLKKC FRAGMKKEAV QNERDRISTR RSSYEDSSLP SINALLQAEV LSQQTSPIS GINGDIRAKK IANITDVCES MKEQLLVLE WAKYIPAFCE LLLDDQVALL RAHAGEHLLL GATKRSMVFK DVLLLGNDYI VPRHCPCLAE MSRVSRILD ELVLPFQELQ IDDNEYACLK AIIFFDPDAK GLSDPGKIKR LRSQVQSLE DYINDRQYDS RGRFGELLLL LPTLQSITWQ MIEIQFIKL FGMAKIDNLL QEMLLGGSAS DAPHTHHPLH PHLMQEHMGT NVIVANTMPS HLSNGQMCEW PRPRGQAATP ETPQSPSPSG SGSESYKLLP GAITIVKPP SAIPQPTITK QEAI Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p> |

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

HNF4A

Alternative Name:

Hnf4a ([HNF4A Products](#))

Background:

Hepatocyte nuclear factor 4-alpha (HNF-4-alpha) (Nuclear receptor subfamily 2 group A member 1) (Transcription factor 14) (TCF-14) (Transcription factor HNF-4),FUNCTION: Transcriptional regulator which controls the expression of hepatic genes during the transition of endodermal cells to hepatic progenitor cells, facilitating the recruitment of RNA pol II to the promoters of target genes (By similarity). Activates the transcription of CYP2C38 (PubMed:30555544). Represses the CLOCK-BMAL1 transcriptional activity and is essential for circadian rhythm maintenance and period regulation in the liver and colon cells (PubMed:30530698). {ECO:0000250|UniProtKB:P41235, ECO:0000269|PubMed:30530698, ECO:0000269|PubMed:30555544}.

Molecular Weight:

52.7 kDa

UniProt:

[P49698](#)

Pathways:

[AMPK Signaling](#), [Nuclear Receptor Transcription Pathway](#), [Steroid Hormone Mediated Signaling](#)

Target Details

Pathway, Carbohydrate Homeostasis, Cell-Cell Junction Organization, Regulation of Carbohydrate Metabolic Process

Application Details

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| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

Handling

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|------------------|--|
| Format: | Liquid |
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | 12 months |