

Datasheet for ABIN7548386
HNF1A Protein (AA 1-631) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HNF1A
Protein Characteristics:	AA 1-631
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HNF1A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant HNF1A Protein expressed in mammalian cells.
Sequence:	MVSKLSQLQT ELLAALLESGLSKEALIQAL GEPGPYLLAG EGPLDKGESC GGGRGELAEEL PNLGETRGS EDETDDDGED FTPPILKELE NLSPEEAHQ KAVVETLLQE DPWRVAKMVK SYLQQHNIPQ REVVDTTGLN QSHLSQHNLNK GTPMKTKQRA ALYTWYVRKQ REVAQQFTHA GQGGLEIEPT GDELPTKKGR RNRFKWGPAS QQILFQAYER QKNPSKEERE TLVEECNRAE CIQRGVSPSQ AQGLGSNLVT EVRVYNWFAN RRKEEAFRHK LAMDTYSGPP PGPGPALP AHSSPGLPPP ALSPSKVHGV RYGQPATSET AEPSSSSGGP LTVVSTPLHQ VSPTGLEPSH SLLSTEAKLV SAAGGPLPPV STLTALHSLE QTSPGLNQQP QNLIMASLPG VMTIGGPEPA SLGPTFTNTG ASTLVIGLAS TQAQSVPVIN SMGSSLTTLQ PVQFSQPLHP SYQQPLMPPV QSHVTQSPFM ATMAQLQSPH ALYSHKPEVA QYHTGLLPQ TMLITDTTNL SALASLTPTK QVFTSDTEAS SESGLHTPAS QATTLHVPSQ DPAGIQHLQP AHRLSASPTV SSSSLVLYQS SDSSNGQSHL LPSNHVSIET FISTQMASSS Q Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity

Product Details

of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: HNF1A

Alternative Name: HNF1A ([HNF1A Products](#))

Background: Hepatocyte nuclear factor 1-alpha (HNF-1-alpha) (HNF-1A) (Liver-specific transcription factor LF-B1) (LFB1) (Transcription factor 1) (TCF-1),FUNCTION: Transcriptional activator that regulates the tissue specific expression of multiple genes, especially in pancreatic islet cells and in liver (By similarity). Binds to the inverted palindrome 5'-GTTAATNATTAAC-3' (PubMed:12453420, PubMed:10966642). Activates the transcription of CYP1A2, CYP2E1 and CYP3A11 (By similarity). {ECO:0000250|UniProtKB:P22361, ECO:0000269|PubMed:10966642, ECO:0000269|PubMed:12453420}., FUNCTION: (Microbial infection) Plays a crucial role for hepatitis B virus gene transcription and DNA replication. Mechanistically, synergistically cooperates with NR5A2 to up-regulate the activity of one of the critical cis-elements in the

Target Details

hepatitis B virus genome enhancer II (ENII). {ECO:0000269|PubMed:14728801, ECO:0000269|PubMed:38018242}.

Molecular Weight: 67.4 kDa

UniProt: [P20823](#)

Pathways: [Hormone Transport, Carbohydrate Homeostasis](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

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