

Datasheet for ABIN7548366
HNF4A Protein (AA 1-474) (His tag)



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Overview

Quantity:	1 mg
Target:	HNF4A
Protein Characteristics:	AA 1-474
Origin:	Human
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

Purpose:	Custom-made recombinat HNF4A Protein expressed in mammalian cells.
Sequence:	<p>MRLSKTLVDM DMADYSAALD PAYTTLEFEN VQVLTMGNDT SPSEGTLNLA PNSLGVSALC AICGDRATGK HYGASSCDGC KGFFRRSVRK NHMYSCRFSS QCVVDKDKRN QCRYCRLKKC FRAGMKKEAV QNERDRISTR RSSYEDSSLP SINALLQAEV LSRQITSPVS GINGDIRAKK IASIADVCE MKEQLLVLE WAKYIPAFCE LPLDDQVALL RAHAGEHLLL GATKRSMVFK DVLLLGNDYI VPRHCPCLAE MSRVSRILD ELVLPFQELQ IDDNEYAYLK AIIFFDPDAK GLSDPGKIKR LRSQVQSLE DYINDRQYDS RGRFGELLLL LPTLQSITWQ MIEIQFIKL FGMAKIDNLL QEMLLGGSPS DAPHAHPLH PHLMQEHMGT NVIVANTMPT HLSNGQMCEW PRPRGQAATP ETPQSPPPGG SGSEPYKLLP GAVATIVKPL SAIPQPTITK QEVI 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:	<div>Key Benefits:</div> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	HNF4A
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Alternative Name:	HNF4A (HNF4A Products)
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Background:	<p>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 (PubMed:30597922). Activates the transcription of CYP2C38 (By similarity). 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:P49698, ECO:0000269 PubMed:30530698, ECO:0000269 PubMed:30597922}.</p>
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Molecular Weight:	52.8 kDa
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UniProt:	P41235
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Pathways:	AMPK Signaling , Nuclear Receptor Transcription Pathway , Steroid Hormone Mediated Signaling
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Target Details

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

Application Details

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

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