

Datasheet for ABIN7565051  
**HIPK3 Protein (AA 1-1192) (His tag)**



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## Overview

Quantity:	1 mg
Target:	HIPK3
Protein Characteristics:	AA 1-1192
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HIPK3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Hipk3 Protein expressed in mammalien cells.
Sequence:	<p>MASQVLVYPP YVYQTQSSAF CSVKKLKVEP SGCVFQERTY PQIHVNGRNF GNSHPSTKGS</p> <p>AFQTKIPFTK PRGHSFSLQA GAIVVKDTAG ATKVLAAQAQ QAGVEAPRAV VWRNRLHFLE</p> <p>GPQRCLGRK SEELNHSGA MQIVDELSIL PAMLQTNMGN PTVVVTATTG SKQNCTSGEG</p> <p>DYQLVQHEVL CSMKNTYEVL DFLGRGTFGQ VVKCWKRGTN EIVAIKILKN HPSYARQGQI</p> <p>EVSILARLST ENADEYNFVR AYECFQHRNH TCLVFEMLEQ NLYDFLKQNK FSPLPLKVIR</p> <p>PVLQQVATAL KKLKSLGLIH ADLKPENIML VDPVRQPYRV KVIDFGSASH VSKTVCSTYL</p> <p>QSRYYRAPEI ILGLPFCEAI DMWSLGCVIA ELFLGWPLYP GALEYDQIRY ISQTQGLPGE</p> <p>QLLNVGTKST RFFCRETDMS HSGWRLKTLE EHEAETGMKS KEARKYIFNS LDDIVHVNTV</p> <p>MDLEGGDLLA EKADRREFVN LLKKMLLIDA DLRTPIETL NHPFVNMKHL LDFPHSNHVK</p> <p>SCFHIMDICK SPSSCETNNH SKMSLLRPVA SNGTAALAAN FTKVGTLSQ ALTSAHSVV</p> <p>HHGIPLQAGT AQFGCGDAFH QTLIICPPAI QGIPAAHGKP TSYSIRVDNT VPLVTQAPAV</p>



QPLQIRPGVL SQQTWSGRTQ QMLIPAWQQV TPMAPAAATL TSEGMAGSQR LGDWGKMIPH  
SNHYNSVMPP PLLTNQITLS APQPISVGIA HVVWPQPATT KKNKLCQNRS NSLQNTNIPH  
SAFISPKIIS GKEVEEVSCV DTQDNHTSEG EAGTCREASV RQDSSVSDKQ RQTIIIADSP  
SPAVSVITIS SDSDEETSP RPSLRECKGS LDCEACQSTL NIDRMCSLSS PDSTLSTSSS  
GQSSPSPCKR PNSMSDDEQE SGCETVDGSP TSDSSGHDSP FAENSFVEDA HQNTELGTC  
GPEAKPAVGT AVEPPVGRES GLSVDEHMAN TDSTCQPLRK GQPAPGKLHQ PPALGARQQK  
PAAAFPPQHL NLSQVQHFGT GHQEWNGNFG HRRQQAYIPT SVTSNPFTLS HGSPNHTAVH  
AHLAGSTHLG GQPTLLPYPS SASLSSAAPV AHLLASPCTS RPMLQHPTYN ISHPSGIVHQ  
VPVGINPRLL PSPTIHQTQY KPIFPPHSYI AASPAYTGFP LSPTKLSQYP YM **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.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <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:	HIPK3
Alternative Name:	Hipk3 ( <a href="#">HIPK3 Products</a> )
Background:	Homeodomain-interacting protein kinase 3 (EC 2.7.11.1) (Androgen receptor-interacting nuclear



## Target Details

protein kinase) (ANPK) (Fas-interacting serine/threonine-protein kinase) (FIST) (Nuclear body-associated kinase 3) (Nbak3),FUNCTION: Serine/threonine-protein kinase involved in transcription regulation, apoptosis and steroidogenic gene expression. Phosphorylates JUN and RUNX2. Seems to negatively regulate apoptosis by promoting FADD phosphorylation. Enhances androgen receptor-mediated transcription. May act as a transcriptional corepressor for NK homeodomain transcription factors. The phosphorylation of NR5A1 activates SF1 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation. In osteoblasts, supports transcription activation: phosphorylates RUNX2 that synergizes with SPEN/MINT to enhance FGFR2-mediated activation of the osteocalcin FGF-responsive element (OCFRE). {ECO:0000269|PubMed:11034606, ECO:0000269|PubMed:17210646, ECO:0000269|PubMed:20484411}.

Molecular Weight: 130.1 kDa

UniProt: [Q9ERH7](#)

## 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