Datasheet for ABIN7554111

HIPK3 Protein (AA 1-1215) (His tag)

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Overview

Quantity:	1 mg
Target:	HIPK3
Protein Characteristics:	AA 1-1215
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HIPK3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant HIPK3 Protein expressed in mammalian cells.
Sequence:	MASQVLVYPP YVYQTQSSAF CSVKKLKVEP SSCVFQERNY PRTYVNGRNF GNSHPPTKGS AFQTKIPFNR PRGHNFSLQT SAVVLKNTAG ATKVIAAQAQ QAHVQAPQIG AWRNRLHFLE GPQRCGLKRK SEELDNHSSA MQIVDELSIL PAMLQTNMGN PVTVVTATTG SKQNCTTGEG DYQLVQHEVL CSMKNTYEVL DFLGRGTFGQ VVKCWKRGTN EIVAIKILKN HPSYARQGQI EVSILARLST ENADEYNFVR AYECFQHRNH TCLVFEMLEQ NLYDFLKQNK FSPLPLKVIR PILQQVATAL KKLKSLGLIH ADLKPENIML VDPVRQPYRV KVIDFGSASH VSKTVCSTYL QSRYYRAPEI ILGLPFCEAI DMWSLGCVIA ELFLGWPLYP GALEYDQIRY ISQTQGLPGE QLLNVGTKST RFFCKETDMS HSGWRLKTLE EHEAETGMKS KEARKYIFNS LDDVAHVNTV MDLEGSDLLA EKADRREFVS LLKKMLLIDA DLRITPAETL NHPFVNMKHL LDFPHSNHVK SCFHIMDICK SHLNSCDTNN HNKTSLLRPV ASSSTATLTA NFTKIGTLRS QALTTSAHSV VHHGIPLQAG TAQFGCGDAF QQTLIICPPA IQGIPATHGK PTSYSIRVDN TVPLVTQAPA VQPLQIRPGV LSQTWSGRTQ QMLVPAWQQV TPLAPATTTL TSESVAGSHR LGDWGKMISC

Product Details

	SNHYNSVMPQ PLLTNQITLS APQPVSVGIA HVVWPQPATT KKNKQCQNRG ILVKLMEWEP GREEINAFSW SNSLQNTNIP HSAFISPKII NGKDVEEVSC IETQDNQNSE GEARNCCETS IRQDSDSSVS DKQRQTIIIA DSPSPAVSVI TISSDTDEEE TSQRHSLREC KGSLDCEACQ STLNIDRMCS LSSPDSTLST SSSGQSSPSP CKRPNSMSDE EQESSCDTVD GSPTSDSSGH DSPFAESTFV EDTHENTELV SSADTETKPA VCSVVVPPVE LENGLNADEH MANTDSICQP LIKGRSAPGR LNQPSAVGTR QQKLTSAFQQ QHLNFSQVQH FGSGHQEWNG NFGHRRQQAY IPTSVTSNPF TLSHGSPNHT AVHAHLAGNT HLGGQPTLLP YPSSATLSSA APVAHLLASP CTSRPMLQHP TYNISHPSGI VHQVPVGLNP RLLPSPTIHQ TQYKPIFPPH SYIAASPAYT GFPLSPTKLS QYPYM **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.**
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:	HIPK3
Alternative Name:	HIPK3 (HIPK3 Products)

Target Details

Background:	Homeodomain-interacting protein kinase 3 (EC 2.7.11.1) (Androgen receptor-interacting nuclear protein kinase) (ANPK) (Fas-interacting serine/threonine-protein kinase) (FIST) (Homolog of protein kinase YAK1),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:14766760, ECO:0000269|PubMed:17210646}.
Molecular Weight:	133.7 kDa
UniProt:	Q9H422

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