Datasheet for ABIN7554084

HIPK1 Protein (AA 1-1210) (His tag)

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Overview

Quantity:	1 mg
Target:	HIPK1
Protein Characteristics:	AA 1-1210
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HIPK1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant HIPK1 Protein expressed in mammalian cells.
Sequence:	MASQLQVFSP PSVSSSAFCS AKKLKIEPSG WDVSGQSSND KYYTHSKTLP ATQGQANSSH QVANFNIPAY DQGLLLPAPA VEHIVVTAAD SSGSAATSTF QSSQTLTHRS NVSLLEPYQK CGLKRKSEEV DSNGSVQIIE EHPPLMLQNR TVVGAAATTT TVTTKSSSSS GEGDYQLVQH EILCSMTNSY EVLEFLGRGT FGQVAKCWKR STKEIVAIKI LKNHPSYARQ GQIEVSILSR LSSENADEYN FVRSYECFQH KNHTCLVFEM LEQNLYDFLK QNKFSPLPLK YIRPILQQVA TALMKLKSLG LIHADLKPEN IMLVDPVRQP YRVKVIDFGS ASHVSKAVCS TYLQSRYYRA PEIILGLPFC EAIDMWSLGC VIAELFLGWP LYPGASEYDQ IRYISQTQGL PAEYLLSAGT KTTRFFNRDP NLGYPLWRLK TPEEHELETG IKSKEARKYI FNCLDDMAQV NMSTDLEGTD MLAEKADRRE YIDLLKKMLT IDADKRITPL KTLNHQFVTM THLLDFPHSN HVKSCFQNME ICKRRVHMYD TVSQIKSPFT THVAPNTSTN LTMSFSNQLN TVHNQASVLA SSSTAAAATL SLANSDVSLL NYQSALYPSS AAPVPGVAQQ GVSLQPGTTQ ICTQTDPFQQ TFIVCPPAFQ TGLQATTKHS GFPVRMDNAV PIVPQAPAAQ PLQIQSGVLT QGSCTPLMVA TLHPQVATIT

Product Details

	PQYAVPFTLS CAAGRPALVE QTAAVLQAWP GGTQQILLPS TWQQLPGVAL HNSVQPTAMI PEAMGSGQQL ADWRNAHSHG NQYSTIMQQP SLLTNHVTLA TAQPLNVGVA HVVRQQQSSS LPSKKNKQSA PVSSKSSLDV LPSQVYSLVG SSPLRTTSSY NSLVPVQDQH QPIIIPDTPS PPVSVITIRS DTDEEEDNKY KPSSSGLKPR SNVISYVTVN DSPDSDSSLS SPYSTDTLSA LRGNSGSVLE GPGRVVADGT GTRTIIVPPL KTQLGDCTVA TQASGLLSNK TKPVASVSGQ SSGCCITPTG YRAQRGGTSA AQPLNLSQNQ QSSAAPTSQE RSSNPAPRRQ QAFVAPLSQA PYTFQHGSPL HSTGHPHLAP APAHLPSQAH LYTYAAPTSA AALGSTSSIA HLFSPQGSSR HAAAYTTHPS TLVHQVPVSV GPSLLTSASV APAQYQHQFA TQSYIGSSRG STIYTGYPLS PTKISQYSYL **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:	HIPK1
Alternative Name:	HIPK1 (HIPK1 Products)

Target Details

Background:	Homeodomain-interacting protein kinase 1 (EC 2.7.11.1) (Nuclear body-associated kinase 2),FUNCTION: Serine/threonine-protein kinase involved in transcription regulation and TNF-mediated cellular apoptosis. Plays a role as a corepressor for homeodomain transcription factors. Phosphorylates DAXX and MYB. Phosphorylates DAXX in response to stress, and mediates its translocation from the nucleus to the cytoplasm. Inactivates MYB transcription factor activity by phosphorylation. Prevents MAP3K5-JNK activation in the absence of TNF. TNF triggers its translocation to the cytoplasm in response to stress stimuli, thus activating nuclear MAP3K5-JNK by derepression and promoting apoptosis. May be involved in anti-oxidative stress responses. Involved in the regulation of eye size, lens formation and retinal lamination during late embryogenesis. Promotes angiogenesis and to be involved in erythroid differentiation. May be involved in malignant squamous cell tumor formation. Phosphorylates PAGE4 at 'Thr-51' which is critical for the ability of PAGE4 to potentiate the transcriptional activator activity of JUN (PubMed:24559171). {ECO:0000269|PubMed:12702766, ECO:0000269|PubMed:12968034, ECO:0000269|PubMed:15701637, ECO:0000269|PubMed:16390825, ECO:0000269|PubMed:19646965, ECO:0000269|PubMed:24559171}.
Molecular Weight:	130.8 kDa
UniProt:	Q86Z02

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