Recombinant Human HIPK3 Protein (P161-N562), Tag Free

Cat. No. HIPK3-1128H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-HIPK3(P161-N562) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	P161-N562
Description	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).
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80

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	centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	HIPK3 homeodomain interacting protein kinase 3 [Homo sapiens (human)]
Official Symbol	HIPK3
Synonyms	HIPK3; homeodomain interacting protein kinase 3; homeodomain-interacting protein kinase 3; DYRK6; FIST3; PKY; YAK1; ANPK; FIST; homolog of protein kinase YAK1; fas-interacting serine/threonine-protein kinase; androgen receptor-interacting nuclear protein kinase;
Gene ID	10114
mRNA Refseq	NM_001048200
Protein Refseq	NP_001041665
MIM	604424
UniProt ID	Q9H422

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