

Recombinant Human HIPK1 Protein (T158-I555), GST tagged

Cat. No. HIPK1-1127H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-TEV-HIPK1(T158-I555) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	T158-I555
Description	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.
Form	Liquid

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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 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	HIPK1 homeodomain interacting protein kinase 1 [Homo sapiens (human)]
Official Symbol	HIPK1
Synonyms	HIPK1; homeodomain interacting protein kinase 1; homeodomain-interacting protein kinase 1; KIAA0630; MGC26642; MGC33446; MGC33548; Myak; Nbak2; nuclear body-associated kinase 2; nuclear body associated kinase 2b; homeodomain interacting protein kinase 1-like protein;
Gene ID	204851
mRNA Refseq	NM_152696
Protein Refseq	NP_689909

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MIM	608003
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UniProt ID	Q86Z02
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