

Active Recombinant Human HIPK1, GST-tagged

Cat. No. HIPK1-1413H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HIPK1 (156-555) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	156-555 aa
Description	HIPK1 or homeodomain-interacting protein kinase 1 is a ser/thr protein kinase and a member of the HIPK family. HIPK 1 is a nuclear kinase that phosphorylates homeodomain transcription factors. HIPK1 phosphorylates DAXX and this leads to its relocalization and subsequent decrease in transcriptional repression activity. HIPK1also interacts with p53 and phosphorylates it on serine residues. HIPK 1 expression is elevated in breast cancer cell lines and embryonic fibroblasts from HIPK 1-null mice show more susceptibility to apoptosis induced by DNA damage.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Bio-activity	79 nmol/min/mg
Molecular Mass	~71 kDa
Purity	>90%

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Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl
GENE INFORMATION	
Gene Name	HIPK1 homeodomain interacting protein kinase 1 [Homo sapiens]
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
MIM	608003
UniProt ID	Q86Z02
Chromosome Location	1p13.1

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Function

ATP binding; DNA binding; nucleotide binding; protein binding; protein serine/threonine kinase activity;

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