

Recombinant Human Homeodomain Interacting Protein Kinase 4, GST-tagged

Cat. No. HIPK4-1024H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human HIPK4 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	HIPK4 or homeodomain interacting protein kinase 4 is a serine/threonine protein kinase that can act as a co-repressor of transcription factors. HIPK4 has been shown to phosphorylate the human p53 protein at serine 9, both in vitro and in vivo which is important for p53 mediated transcriptional repression. RT-PCR analysis showed moderate expression of HIPK4 in lung and white adipose tissue and weak expression in brain and liver.
Applications	Kinase Assay; Western Blot
Molecular Weight	110 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
Purity	>70%

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Concentration	0.1 ug/ul
Specific Activity	202 RLU/min/ng
Sequences	Full length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	HIPK4 homeodomain interacting protein kinase 4 [Homo sapiens]
Official Symbol	HIPK4
Synonyms	HIPK4; homeodomain interacting protein kinase 4; FLJ32818; homeodomain-interacting protein kinase 4
Gene ID	147746
mRNA Refseq	NM_144685
Protein Refseq	NP_653286
MIM	611712
UniProt ID	Q8NE63
Chromosome Location	19q13

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Function

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

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