HIPK4 recombinant protein

HIPK4, Active

CATALOG #	HOST	APPLICATIONS
AAA73591	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

HIPK4; Active; FLJ32818; HIPK4 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for HIPK4 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES

SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

Activity
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for HIPK4 recombinant protein	Recombinant full-length human HIPK4 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_144685. HIPK4 or homeodomain interacting protein kinase 4 is a serine/threonine protein kinase that can act as a co-repressor of transcription factors (1). 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. HIPK4 expression has also been observed in various cancer cell lines (2).
Product Categories/Family for HIPK4 recombinant protein	Protein Kinases; Cancer; Cell Cycle; Metabolic Disorder; Ser/Thr Kinases; WNT Signaling
References	1. Arai, S. et al: Novel homeodomain-interacting protein kinase family member, HIPK4, phosphorylates human p53 at serine 9. FEBS Lett. 2007;11;581(29):5649-57. 2. Di Stefano, V. et al: Homeodomain-interacting protein kinase-2 activity and p53 phosphorylation are critical events for cisplatin-mediated apoptosis. Exp. Cell. Res. 2004;15;293(2):311-20.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_144685
Molecular Weight	~110kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/hipk4-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73591