

HIPK1 recombinant protein

HIPK1, Active

CATALOG # AAA73587	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

HIPK1; Active; Myak; Nbak2; KIAA0630; MGC26642; MGC33446; MGC33548; HIPK1 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 HIPK1 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 HIPK1 recombinant protein	Recombinant human HIPK1 (156-555) was expressed by baculovirus in Sf9 cells using an N-terminal GST tag. The gene accession number is NM_152696. 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 (1). HIPK1 also 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 (2).
Product Categories/Family for HIPK1 recombinant protein	Protein Kinases; Cancer; Cell Cycle; Metabolic Disorder; Ser/Thr Kinases; WNT Signaling
References	1. Ecsedy, J A. et al: Homeodomain-interacting protein kinase 1 modulates Daxx localization, phosphorylation, and transcriptional activity. Mol Cell Biol. 2003 Feb;23(3):950-60. 2. Kondo, S. et al: Characterization of cells and gene-targeted mice deficient for the p53-binding kinase homeodomain-interacting protein kinase 1 (HIPK1). Proc Natl Acad Sci U S A. 2003 Apr 29;100(9):5431-6.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_152696
Molecular Weight	~71kDa

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.

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Online datasheet: <https://stage.aaabiotech.com/hipk1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73587>