HIPK3 recombinant protein

HIPK3, Active

CATALOG #	HOST	APPLICATIONS
AAA73590	**Sf9 insect cells**	**Western Blot**

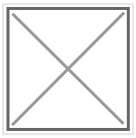
PRODUCT SYNONYMS

HIPK3; Active; PKY; YAK1; DYRK6; FIST3; HIPK3 recombinant protein

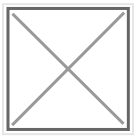
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.2mM DTT, 25% glycerol.
Applicable Applications for HIPK3 recombinant protein	WB (Western Blot), Kinase Assay
Tag	HIS
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 HIPK3 recombinant protein	Recombinant human HIPK3 (163-562) was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. The gene accession number is NM_005734. HIPK3 (homeodomain interacting protein kinase 3) is a member of the HIPK family and is involved in apoptosis (1). JNK regulates the expression of HIPK3 in prostate cancer cells and this contributes to increased resistance to Fas receptor-mediated apoptosis by reducing the interaction between FADD and caspase-8 (2). HIPK3 has been reported to phosphorylate FADD and is implicated in multidrug resistance in a number of tumors. HIPK3 increases transcription factor SF-1 activity leading to increased steroidogenic gene expression in response to cAMP signaling.
Product Categories/Family for HIPK3 recombinant protein	Protein Kinases; Cancer; Cell Cycle; Metabolic Disorder; Ser/Thr Kinases; WNT Signaling
References	1. Begley, D.A. et al:Identification and sequence of human PKY, a putative kinase with increased expression in multidrug-resistant cells, with homology to yeast protein kinase Yak1. Gene, 1997; 200 (1-2): 35-43. 2. Curtin, J F. et al: JNK regulates HIPK3 expression and promotes resistance to Fas-mediated apoptosis in DU 145 prostate carcinoma cells. J Biol Chem. 2004 Apr 23;279(17):17090-100.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_005734
Molecular Weight	~49kDa

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/hipk3-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73590