

Active Recombinant Human HIPK3 Protein, GST-tagged

Cat. No. HIPK3-4764H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIPK3 (NP_005725.3, 161 a.a. - 562 a.a.) partial recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
ProteinLength	161-562 a.a.
Description	HIPK3 (Homeodomain Interacting Protein Kinase 3) is a Protein Coding gene. GO annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine kinase activity. An important paralog of this gene is HIPK2.
Form	Liquid
Bio-activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: DYRKtide-F. ATP: 100 μM.
Molecular Mass	73 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	81 % by SDS-PAGE/CBB staining
Applications	Functional Study SDS-PAGE
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)

GENE INFORMATION

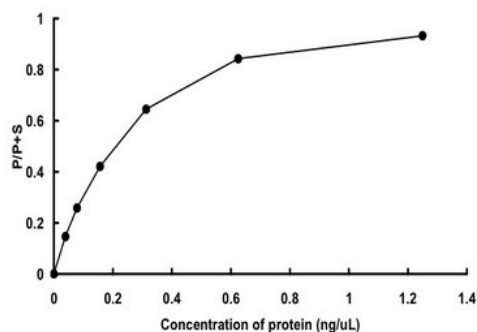
Gene Name	HIPK3 homeodomain interacting protein kinase 3 [Homo sapiens]
Official Symbol	HIPK3
Synonyms	HIPK3; homeodomain interacting protein kinase 3; homeodomain-interacting protein kinase 3; DYRK6; FIST3; PKY; YAK1; ANPK; FIST; homolog of protein kinase YAK1; fas-interacting serine/threonine-protein kinase; androgen receptor-interacting nuclear protein kinase;
Gene ID	10114
mRNA Refseq	NM_001048200
Protein Refseq	NP_001041665
MIM	604424
UniProt ID	Q9H422

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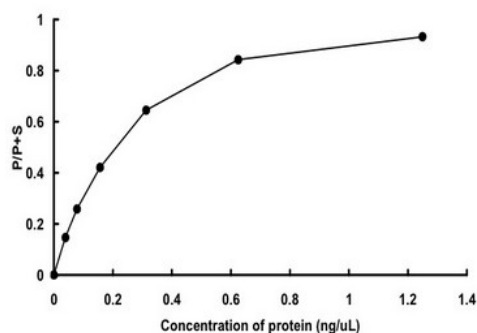
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Result of activity analysis



Quality Control Testing



Loading 1 µg protein in SDS-PAGE

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