

Recombinant Human HIPK1/MYAK Kinase

Catalog No.: RP03333LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	204851	Q86Z02

Tags

No tag

Synonyms

HIPK1; KIAA0630; MYAK; NBAK2; Nuclear body-associated kinase 2; Homeodomain-interacting protein kinase 1

Product Information

Source	Purification
Baculovirus-Insect Cells	> 90% by SDS-PAGE and HPLC

Calculated MW	Observed MW
45.9 kDa	40-50 kDa

Endotoxin

< 1.0 EU/μg of the protein by LAL method

Formulation

Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 200 mM NaCl, 20% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution

Please use running water to thaw it quickly.

Background

Homeodomain-interacting protein kinase 1 (HIPK1) belongs to the Ser/Thr family of protein kinases and HIPK subfamily. It phosphorylates homeodomain transcription factors and may also function as a co-repressor for homeodomain transcription factors. HIPKs contribute to regulate several biological processes, such as signal transduction, apoptosis, embryonic development, DNA-damage response, and cellular proliferation, in response to various extracellular stimuli. And HIPK1 has been shown to interact with P53.

Basic Information

Description

Recombinant Human HIPK1/MYAK Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Thr158-Ile555) of Human HIPK1 (Accession #Q86Z02) fused with No tag.

Bio-Activity

The activity of HIPK1 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

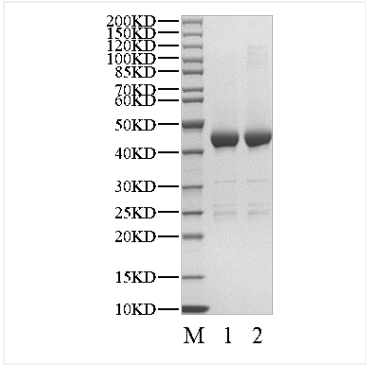
Contact

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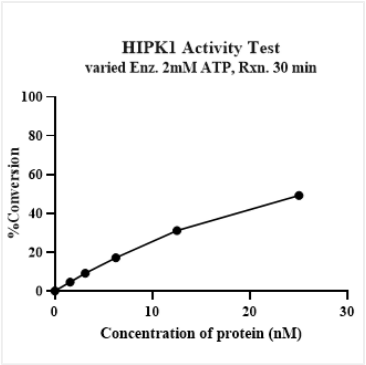
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Validation Data



Recombinant Human HIPK1/MYAK Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



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