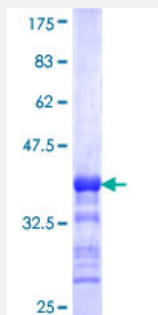


# IHPK1 (Human) Recombinant Protein (Q01)

Catalog # H00009807-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human IHPK1 partial ORF ( NP_001006115, 182 a.a. - 275 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	ESCLDRRSEMRLKHLDMVLPEVASSCGPSTSPSNTSPEAGPSSQPKVDVRMIDFAHSTFKGFR DDPTVHDGPDRGYVFGLENLISIMEQMRDEN
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.08
<b>Interspecies Antigen Sequence</b>	Mouse (95); Rat (94)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — IP6K1

Entrez GeneID [9807](#)

GeneBank Accession# [NM\\_001006115](#)

Protein Accession# [NP\\_001006115](#)

Gene Name IP6K1

Gene Alias IHPK1, MGC9925, PiUS

Gene Description inositol hexakisphosphate kinase 1

Omim ID [606991](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a protein that belongs to the inositol phosphokinase (IPK) family. This protein is likely responsible for the conversion of inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). It may also convert 1,3,4,5,6-pentakisphosphate (InsP5) to P-P-InsP4. Alternative splicing occurs for this gene; however, the full-length nature of all transcript variants has not yet been described. [provided by RefSeq]

**Other Designations** ATP:1D-myo-inositol-hexakisphosphate phosphotransferase|Pi uptake stimulator|inositol hexakisphosphate kinase 1|insP6 kinase 1

## Disease

- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)