

# Recombinant Human IP6K1, GST-tagged

**Cat. No.** IP6K1-139H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IP6K1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                         |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | N-term-300aa                                                                                                                                                      |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IP6K1 inositol hexakisphosphate kinase 1 [ Homo sapiens ]                                                                                                                                                                                          |
| <b>Official Symbol</b> | IP6K1                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | IP6K1; inositol hexakisphosphate kinase 1; IHPK1, inositol hexaphosphate kinase 1; KIAA0263; insP6 kinase 1; Pi uptake stimulator; inositol hexaphosphate kinase 1; ATP:1D-myo-inositol-hexakisphosphate phosphotransferase; PIUS; IHPK1; MGC9925; |

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 9807                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>         | NM_001006115                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>      | NP_001006115                                                                                                                                                                                                                                                   |
| <b>MIM</b>                 | 606991                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>          | Q92551                                                                                                                                                                                                                                                         |
| <b>Chromosome Location</b> | 3p21.31                                                                                                                                                                                                                                                        |
| <b>Pathway</b>             | inositol pyrophosphates biosynthesis, organism-specific biosystem; inositol pyrophosphates biosynthesis, conserved biosystem; superpathway of inositol phosphate compounds, organism-specific biosystem;                                                       |
| <b>Function</b>            | ATP binding; inositol hexakisphosphate 1-kinase activity; inositol hexakisphosphate 3-kinase activity; inositol hexakisphosphate 5-kinase activity; inositol-1,4,5-trisphosphate 3-kinase activity; kinase activity; nucleotide binding; transferase activity; |