

# Recombinant Mouse Ip6k2 Protein, His-tagged

**Cat. No.** Ip6k2-1688M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Recombinant Mouse Ip6k2 Protein (Asn124-Glu448) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Asn124-Glu448                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | <p>Predicted to enable flavonoid binding activity and inositol hexakisphosphate 5-kinase activity. Predicted to be involved in several processes, including cellular response to flavonoid; organophosphate biosynthetic process; and phosphate ion transport.</p> <p>Predicted to act upstream of or within lipid metabolic process and phosphorylation.</p> <p>Located in nucleus. Is expressed in several structures, including alimentary system; heart; nervous system; respiratory system; and sensory organ. Orthologous to human IP6K2 (inositol hexakisphosphate kinase 2).</p> |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | <p>Predicted Molecular Mass: 41.4 kDa</p> <p>Accurate Molecular Mass: 44 kDa</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | Ip6k2 inositol hexaphosphate kinase 2 [ Mus musculus (house mouse) ]                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b>  | Ip6k2                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | Ip6k2; inositol hexaphosphate kinase 2; Ihpk2; AW050208; 1500005N04Rik; inositol hexakisphosphate kinase 2; insP6 kinase 2; p(i)-uptake stimulator; piUS; EC 2.7.4.21                                                                                                                                                                        |
| <b>Gene ID</b>          | 76500                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_029634                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>   | NP_083910                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>       | Q80V72                                                                                                                                                                                                                                                                                                                                       |

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