

# Recombinant Full Length Human IP6K3 Protein, C-Flag-tagged

**Cat. No.** IP6K3-1906HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human IP6K3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | 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 PP-InsP4. Alternative splicing results in multiple transcript variants encoding the same protein.                                                                                       |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 46.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MVVQNSADAGDMRAGVQLEPFLHQVGGHMSVMKYDEHTVCKPLVSREQRFYESL<br>PLAMKRFTPTQYKGTVT VHLWKDSTGHLVSLVANPVKESQEPFKVSTESAATAVWQTL<br>QQTGSGSDCTLAQWPHAQLARSPKESPA KALLRSEPHLNTPAFSLVEDTNGNQ<br>VERKSFPNWGLQCHQAHLTRLCSEYPENKRHRFLLLENNVSQYTH PCVLDLKMGT<br>RQHGD DASEEKKARHMRKCAQSTSACLGVRICGMQVYQTDKKYFLCKDKYYGRKL<br>SVEGF RQALYQFLHNGSHLRRELLEPILHQLRALLSVIRSQSSYRFYSSSLVIYDGG<br>EPPERAPGSPHPHEAPQ AAHGSSPGGLTKVDIRMIDFAHTTYKGYWNEHTTYDGP<br>DPGYIFGLENLIRILQDIQEGE TRTRPLEQKLISEEDLAANDILDYKDDDDKV |

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|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome                                                                                                                              |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| <b>Gene Name</b>       | IP6K3 inositol hexakisphosphate kinase 3 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | IP6K3                                                             |
| <b>Synonyms</b>        | IHPK3; INSP6K3                                                    |
| <b>Gene ID</b>         | 117283                                                            |
| <b>mRNA Refseq</b>     | NM_054111.5                                                       |
| <b>Protein Refseq</b>  | NP_473452.2                                                       |
| <b>MIM</b>             | 606993                                                            |

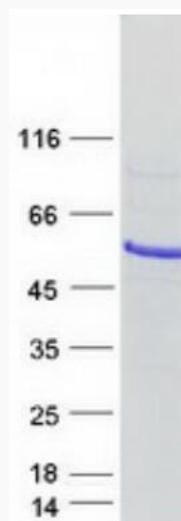
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UniProt ID

Q96PC2



Coomassie blue staining of purified IP6K3 protein.

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