



# Recombinant Human Inositol hexakisphosphate kinase 1 (IP6K1)

<b>Product Code</b>	CSB-EP011770HU-B
<b>Abbreviation</b>	IP6K1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q92551
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MCVCQTMEVG QYGKNASRAG DRGVLLEPFI HQVGGHSSMM RYDDHTVCKP LISREQRFYE SLPPEMKEFT PEYKGVVSVC FEGDSDGYIN LVAYPYVESE TVEQDDTTER EQPRRKHSRR SLHRSGSGSD HKEEKASLSL ETSESSQEAK SPKVELHSHS EVPFQMLDGN SGLSSEKISH NPWSLRCHKQ QLSRMRSESK DRKLYKFLLL ENVVHHFKYP CVLDLKMGR QHGDDASAEK AARQMRKCEQ STSATLGVRV CGMQVYQLDT GHYLCRNKYY GRGLSIEGFR NALYQYLHNG LDLRRDLFEP ILSKLRGLKA VLERQASYRF YSSLLVIYD GKECRAESCL DRRSEMRLKH LDMVLPEVAS SCGPSTSPSN TSPEAGPSSQ PKVDVRMIDF AHSTFKGFRD DPTVHDGPDR GYVFGLENLI SIMEQMRDEN Q
<b>Source</b>	E.coli
<b>Target Names</b>	IP6K1
<b>Protein Names</b>	Recommended name: Inositol hexakisphosphate kinase 1 Short name= InsP6 kinase 1 EC= 2.7.4.21 Alternative name(s): Inositol hexaphosphate kinase 1
<b>Expression Region</b>	1-441
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</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 occurs for this gene; however, the full-length nature of all transcript variants has not yet been described.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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