



# Recombinant Rat Inositol hexakisphosphate kinase 2 (Ip6k2)

<b>Product Code</b>	CSB-EP011771RA
<b>Abbreviation</b>	Ip6k2
<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>	Q9R0U1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSPAFRTMDV EPRTKGILLE PFVHQVGGHS CVLRFNETTL CKPLVPREHQ FYETLPAEMR RFTPQYKGVV SVRFEEDER NLCLIAYPLK GDHGPDIVD NSDCEPKSKL LRWTNKKHHV LETEKSPKDW VRQHRKEEKM KSHKLEEEFE WLKKSEVLYY SVEKKGTVSS QLKHYNPWSM KCHQQQLQRM KENAKHRNQY KFILLNLTC RYEVPCVLDL KMGTRQHGDD ASEEKAANQI RKCQQSTSAV IGVRVCGMQV YQAGTGQLMF MNKYHGRKLS VQGFKEALFQ FFHNGRYLRR ELLGPVLKKL TELKAVLERQ ESYRFYSSSL LVIYDGKEWP EVTLDSDAED LEDLSEESAD ESAGAYAYKP LGASSVDVRM IDFAHTTCRL YGEDSVVHEG QDAGYIFGLQ SLIDIVTEIS EESGE
<b>Source</b>	E.coli
<b>Target Names</b>	Ip6k2
<b>Protein Names</b>	Recommended name: Inositol hexakisphosphate kinase 2 Short name= InsP6 kinase 2 EC= 2.7.4.21 Alternative name(s): P(i)-uptake stimulator Short name= PiUS
<b>Expression Region</b>	1-425
<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 and affect the growth suppressive and apoptotic activities of interferon-beta in some ovarian cancers. Alternative splicing results in multiple transcript variants encoding different isoforms.

**Reconstitution**

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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