Recombinant Mouse Inositol hexakisphosphate kinase 2 (Ip6k2)

Product Code	CSB-EP011771MO-B
Abbreviation	Ip6k2
Storage	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.
Uniprot No.	Q80V72
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MSPAFRTMDV EPRTKGILLE PFVHQVGGHS CVLRFNETTL CKPLVPREHQ FYETLPAEMR RFTPQYKAVL IFVRCADEFG ASGNIETKEQ GVVSVRFEED EDRNLCLIAY PLKGDHGTVD IVDNSDCEPK SKLLRWTNKK HHALETEKNP KDWVRQHRKE EKMKSHKLEE EFEWLKKSEV LYYSVEKKGN VSSQLKHYNP WSMKCHQQQL QRMKENAKHR NQYKFILLEN LTSRYEVPCV LDLKMGTRQH GDDASEEKAA NQIRKCQQST SAVIGVRVCG MQVYQAGTGQ LMFMNKYHGR KLSVQGFKEA LFQFFHNGRY LRRELLGPVL KKLTELKAVL ERQESYRFYS SSLLVIYDGK EWPEVTLDSD AEDLEDLSEE SADESAGAYA YKPIGASSVD VRMIDFAHTT CRLYGEDSVV HEGQDAGYIF GLQSLIDIVT EISEESGE
Source	E.coli
Target Names	Ip6k2
Protein Names	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
Expression Region	1-448
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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	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.