



Recombinant Mouse Integrin-linked protein kinase (Ilk)

Product Code	CSB-EP011685MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O55222
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MDDIFTQCRE GNAVAVRLWL DNTENDLNQG DDHGFSPLHW ACREGRSAVV EMLIMRGARI NVMNRGDDTP LHLAASHGHR DIVQKLLQYK ADINAVNEHG NVPLHYACFW GQDQVAEDLV ANGALVSICN KYGEMPVDKA KAPLRELLRE RAEKMGQNLN RIPPYKDTFWK GTTRTRPRNG TLNKHSGIDF KQLNFLAKLN ENHSGELWKG RWQGNDIVVK VLKVRDWSTR KSRDFNEECP RLRIFSHPNV LPVLGACQAP PAPHPTLITH WMPYGSLYNV LHEGTNFVVD QSQAVKFALD MARGMAFLHT LEPLIPRHAL NSRSMIDED MTARISMADV KFSFQCPGRM YAPAWVAPEA LQKKPEDTNR RSADMWSFAV LLWELVTREV PFADLSNMEI GMKVALEGLR PTIPPGISPH VCKLMKICMN EDPAKRPKFD MIVPILEKMQ DK
Source	E.coli
Target Names	Ilk
Protein Names	Recommended name: Integrin-linked protein kinase EC= 2.7.11.1
Expression Region	1-452
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	Transduction of extracellular matrix signals through integrins influences intracellular and extracellular functions, and appears to require interaction of integrin cytoplasmic domains with cellular proteins. Integrin-linked kinase (ILK), interacts with the cytoplasmic domain of beta-1 integrin. This gene encodes a serine/threonine protein kinase with 4 ankyrin-like repeats, which associates with the cytoplasmic domain of beta integrins and acts as a proximal receptor kinase regulating integrin-mediated signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.
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.