



Recombinant Horse Hexokinase-2 (HK2), partial

Product Code	CSB-YP010469HO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	A2PYL6
Product Type	Recombinant Protein
Immunogen Species	Equus caballus (Horse)
Purity	>85% (SDS-PAGE)
Source	Yeast
Target Names	HK2
Protein Names	Recommended name: Hexokinase-2 EC= 2.7.1.1 Alternative name(s): Hexokinase type II Short name= HK II
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	Partial
Target Details	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 2, the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this gene is insulin-responsive, and studies in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells.
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.