Recombinant Human 5'-AMP-activated protein kinase subunit beta-2 (PRKAB2)

Product Code	CSB-BP527326HU
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.	O43741
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MGNTTSDRVS GERHGAKAAR SEGAGGHAPG KEHKIMVGST DDPSVFSLPD SKLPGDKEFV SWQQDLEDSV KPTQQARPTV IRWSEGGKEV FISGSFNNWS TKIPLIKSHN DFVAILDLPE GEHQYKFFVD GQWVHDPSEP VVTSQLGTIN NLIHVKKSDF EVFDALKLDS MESSETSCRD LSSSPPGPYG QEMYAFRSEE RFKSPPILPP HLLQVILNKD TNISCDPALL PEPNHVMLNH LYALSIKDSV MVLSATHRYK KKYVTTLLYK PI
Source	Baculovirus
Target Names	PRKAB2
Protein Names	Recommended name: 5'-AMP-activated protein kinase subunit beta-2 Short name= AMPK subunit beta-2
Expression Region	1-272
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 protein is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit may be a positive regulator of AMPK activity. It is highly expressed in skeletal muscle and thus may have tissue-specific roles.
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.