



Recombinant Human Cyclin-dependent kinase 16 (CDK16)

Product Code	CSB-MP017648HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q00536
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDRMKKIKRQ LSMTLRGGRG IDKTNGAPEQ IGLDESGGGG GSDPGEAPTR AAPGELRSAR GPLSSAPEIV HEDLKMGS DG ESDQASATSS DEVQSPVRVR MRNHPPRKIS TEDINKRLSL PADIRLPEGY LEKLTNSPI FDKPLSRRLR RVSLSEIGFG KLETYIKLDK LGEGTYATVY KGKSKLTDNL VALKEIRLEH EEGAPCTAIR EVSLLKDLKH ANIVTLHDII HTEKSLTLVF EYLDKDLKQY LDDCGNIINM HNVKLFQ L LRGLAYCHRQ KVLHRDLKPQ NLLINER GEL KLADFG LARA KSIPTKTYSN EVVTLWYRPP DILLGSTDYS TQIDMWGVGC IFYEMATGRP LFPGSTVEEQ LHFIFRILGT PTEETWPGIL SNEEFKTYNY PKYRAEALLS HAPRLSDGA DLLTKLLQFE GRNRISAEDA MKHPFFLSLG ERIHKL P DTT SIFALKEIQL QKEASLRSSS MPDSGRPAFR VVDTEF
Source	Mammalian cell
Target Names	CDK16
Protein Names	Recommended name: Cyclin-dependent kinase 16 EC= 2.7.11.22 Alternative name(s): Cell division protein kinase 16 PCTAIRE-motif protein kinase 1 Serine/threonine-protein kinase PCTAIRE-1
Expression Region	1-496
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 belongs to the cdc2/cdkx subfamily of the ser/thr family of protein kinases. It may play a role in signal transduction cascades in terminally differentiated cells; in exocytosis; and in transport of secretory cargo from the endoplasmic reticulum. This gene is thought to escape X inactivation. 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.