



Recombinant Human Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase (PKMYT1)

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| Product Code | CSB-MP858720HU |
| Abbreviation | PKMYT1 |
| 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. | Q99640 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MLERPPALAM PMPTEGTPPP LSGTPIPVPA YFRHAEPGFS LKRPRGLSRS LPPPPPAKGS IPISRLFPPR TPGWHQLQPR RVSRFRGEASE TLQSPGYDPS RPESFFQQSF QRLSRLGHGS YGEVFKVRSK EDGRLYAVKR SMSPFRRGPKD RARKLAEVGS HEKVGQHPCC VRLEQAWEEG GILYLQTELC GPSLQQHCEA WGASLPEAQV WGYLRDTLLA LAHLHSQGLV HLDVKPANIF LGPRGRCKLG DFGLLVELGT AGAGEVQEGD PRYMAPELLQ GSYGTAADV F SLGLTILEVA CNMELPHGGE GWQQLRQGYL PPEFTAGLSS ELRSVLVMML EPDPKLRATA EALLALPVL R QPRAWGVLWC MAAEALSRGW ALWQALLALL CWLWHGLAHP ASWLQPLGPP ATPPGSPPCS LLLDSSLSSN WDDDSLGP SL SPEAVLARTV GSTSTPRSRC TPRDALD LSD INSEPPRGSF PSFEPRNLLS LFEDTLDPT |
| Source | Mammalian cell |
| Target Names | PKMYT1 |
| Protein Names | Recommended name: Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase EC= 2.7.11.1 Alternative name(s): Myt1 kinase |
| Expression Region | 1-499 |
| 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 member of the serine/threonine protein kinase family. This kinase preferentially phosphorylates and inactivates cell division cycle 2 protein (CDC2), and thus negatively regulates cell cycle G2/M transition. This kinase is associated with the membrane throughout the cell cycle. Its activity is highly regulated during the cell cycle. Protein kinases AKT1/PKB and PLK (Polo-like |



kinase) have been shown to phosphorylate and regulate the activity of this kinase. Alternatively spliced transcript variants encoding distinct isoforms have been reported.

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

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