



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

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| <b>Product Code</b>      | CSB-BP858720HU   |
| <b>Abbreviation</b>      | PKMYT1   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.   |
| <b>Uniprot No.</b>       | Q99640   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | MLERPPALAM PMPTEGTPPP LSGTPIPVPA YFRHAEPGFS LKRPRGLSRS<br>LPPPPPAKGS IPISRLFPPR TPGWHQLQPR RVSRFRGEASE TLQSPGYDPS<br>RPESFFQQSF QRLSRLGHGS YGEVFKVRSK EDGRLYAVKR SMSPFRRGPKD<br>RARKLAEVGS HEKVGQHPCC VRLEQAWEEG GILYLQTELC GPSLQQHCEA<br>WGASLPEAQV WGYLRDTLLA LAHLHSQGLV HLDVKPANIF LGPRGRCKLG<br>DFGLLVELGT AGAGEVQEGD PRYMAPELLQ GSYGTAADV F SLGLTILEVA<br>CNMELPHGGE GWQQLRQGYL PPEFTAGLSS ELRSVLVMML EPDPKLRATA<br>EALLALPVL R QPRAWGVLWC MAAEALSRGW ALWQALLALL<br>CWLWHGLAHP ASWLQPLGPP ATPPGSPPCS LLLDSSLSSN WDDDSLGP SL<br>SPEAVLARTV GSTSTPRSRC TPRDALDLS D INSEPPRGSF PSFEPRNLLS<br>LFEDTLDPT |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | PKMYT1   |
| <b>Protein Names</b>     | Recommended name: Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase EC= 2.7.11.1 Alternative name(s): Myt1 kinase  |
| <b>Expression Region</b> | 1-499  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Target Details</b>    | 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.

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**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.

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**Shelf Life**

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