

Recombinant Human PKMYT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PKMYT1-5959H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PKMYT1 MS Standard C13 and N15-labeled recombinant protein (NP_004194) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the serine/threonine protein kinase family. The encoded protein is a membrane-associated kinase that negatively regulates the G2/M transition of the cell cycle by phosphorylating and inactivating cyclin-dependent kinase 1. The activity of the encoded protein is regulated by polo-like kinase 1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	54.3 kDa
AA Sequence	MLERPPALAMPMPTEGTPPPLSGTPIVPAYFRHAEPGFSLKRPRGLSRSLPPPPPA KGSIPISRLFPPTPGWHQLQPRRVSFGEASETLQSPGYDPSRPESFFQQSFRQL SRLGHGSYGEVFKVRSKEDGRLYAVKRSMSPFRGPKDRARKLAEVGSHEKVGQHP CCVRLEQAWEEGGILYLQTELCGPSLQQHCEAWGASLPEAQVWGYLRDTLLALAH LHSQGLVHLDVKPANIFLGRGRCKLGDFGLLVELGTAGAGEVQEGDPRYMAPELL QGSYGTAADVFSGLGTILEVACNMELPHGGEGWQQLRQGYLPPEFTAGLSSELRSV LVMMLEPDPKLRATAEALLALPVLRQPRAWGVLWCMAAEALSRGWALWQALLALL

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CWLWHGLAHPASWLQPLGPPATPPGSPPCSLLLDSSLSSNWDDDSLGPSSLPEAV
LARTVGSTSTPRSRCTPRDALDLSDINSEPPRGSFPSFEPRNLLSLFEDTLDPTTRTR
PLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PKMYT1 protein kinase, membrane associated tyrosine/threonine 1 [Homo sapiens (human)]

Official Symbol PKMYT1

Synonyms PKMYT1; protein kinase, membrane associated tyrosine/threonine 1; membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase; membrane associated tyrosine and threonine specific cdc2 inhibitory kinase; MYT1; myt1 kinase; FLJ20093; DKFZp547K1610;

Gene ID 9088

mRNA Refseq NM_004203

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Protein Refseq NP_004194

MIM 602474

UniProt ID Q99640

SDS-PAGE



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