

Recombinant Full Length Human PKMYT1 Protein, C-Flag-tagged

Cat. No. PKMYT1-918HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PKMYT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.3 kDa
AA Sequence	MLERPPALAMPMPTEGTPPPLSGTPIPVPAYFRHAEPGFSLKRPRGLSRSLPPPPPA KGSIPISRLFPPR TPGWHQLQPRRVSFGRGESETLQSPGYDPSRPESFFQQSFQRL SRLGHGSYGEVFKVRSKEDGRLYAVKR SMSPFGRGPKDRARKLAEVGSHEKVGQH PCCVRLEQAWEEGGILYLQTELCGPSLQQHCEAWGASLPEAQV WGYLRDTLLALA HLHSQGLVHLDVKPANIFLGPRGRCKLGDFGLLVELGTAGAGEVQEGDPRYMAPEL LQ GSYGTAADVFSGLGTILEVACNMELPHGGEGWQQQLRQGYLPPEFTAGLSSELR

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SVLVMMLEPDPKLRATA EALLALPVL RQPRAWGVLCMAAEALSRGWALWQALLA
 LLCWLWHGLAHPASWLQPLGPPATPPGSPPCS LLLDSSLSSNWDDDSLGPSPSPE
 AVLARTVGSTSTPRSRCTPRDALDLSDINSEPPRGSFPSFEPRNLLS
 LFEDTLDPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase
Protein Pathways	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation
Full Length	Full L.

GENE INFORMATION

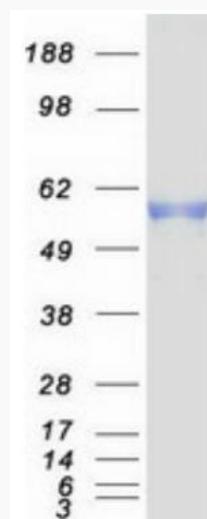
Gene Name	PKMYT1 protein kinase, membrane associated tyrosine/threonine 1 [Homo sapiens (human)]
Official Symbol	PKMYT1
Synonyms	MYT1; PPP1R126

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Gene ID	9088
mRNA Refseq	NM_004203.5
Protein Refseq	NP_004194.3
MIM	602474
UniProt ID	Q99640



Coomassie blue staining of purified PKMYT1 protein.