

Recombinant Human PKMYT1 Protein (L2-T499), Tag Free

Cat. No. PKMYT1-0057H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-PKMYT1(L2-T499 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	L2-T499
Description	Acts as a negative regulator of entry into mitosis (G2 to M transition) by phosphorylation of the CDK1 kinase specifically when CDK1 is complexed to cyclins. Mediates phosphorylation of CDK1 predominantly on 'Thr-14'. Also involved in Golgi fragmentation. May be involved in phosphorylation of CDK1 on 'Tyr-15' to a lesser degree, however tyrosine kinase activity is unclear and may be indirect. May be a downstream target of Notch signaling pathway during eye development.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

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
Protein Refseq	NP_004194
MIM	602474
UniProt ID	Q99640

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