

Recombinant Human PKMYT1 293 Cell Lysate

Cat. No. PKMYT1-3151HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein kinase, membrane associated tyrosine/threonine 1 (PKMYT1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

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

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

Chromosome Location 16p13.3

Pathway Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Cyclin A/B1 associated events during

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G2/M transition, organism-specific biosystem; Cyclin E associated events during G1/S transition, organism-specific biosystem;

Function

ATP binding; kinase activity; metal ion binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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