

Bioactive

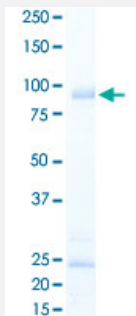
Full-Length

PKMYT1 (Human) Recombinant Protein

Catalog # P5606

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human PKMYT1 (NP_004194.3, 1 a.a. - 499 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	82
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	51 % by SDS-PAGE/CBB staining

Activity	The activity was determined by ELISA. The enzyme was incubated with biotinylated peptide in strept avidin-coated ELISA plate. Phosphorylation was detected by HRP-labeled anti-phospho antibody. S ubstrate: CDC2 peptide. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — PKMYT1

Entrez GeneID	9088
Protein Accession#	NP_004194.3
Gene Name	PKMYT1
Gene Alias	DKFZp547K1610, FLJ20093, MYT1
Gene Description	protein kinase, membrane associated tyrosine/threonine 1
Omim ID	602474
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene 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. [provided by RefSeq]
Other Designations	membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase protein kinase Myt1

Pathway

- [Cell cycle](#)