

Product datasheet for PH322657

PKMYT1 (NM_004203) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PKMYT1 MS Standard C13 and N15-labeled recombinant protein (NP_004194)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222657
Predicted MW:	54.3 kDa
Protein Sequence:	>RC222657 representing NM_004203 Red=Cloning site Green=Tags(s)

MLERPPALAMPMPTEGTPPPLSGTPIPVPAYFRHAEPGFSLKRPRGLSRSLPPPPPAKGSIPISRLFPPR
TPGWHQLQPRRVSFRGEASETLQSPGYDPSRPESFFQQSFQRLSRLGHGSYGEVFKVRSKEDGRLYAVKR
SMSFPRGPKDRARKLAEVGSHEKVGQHPCCVRLEQAWEEGGILYLQTELCGPSLQQHCEAWGASLPEAQV
WGYLRDTLLALAHLSQGLVHLDVKPANIFLGPRGRCKLGDFGLLVELGTAGAGEVQEGDPRYMAPELLQ
GSYGTAADVFSLGLTILEVACNMELPHGGEGWQQLRQGYLPPEFTAGLSSELRSVLVMMLEPDKLRATA
EALLALPVL RQPRAWGLWCMAAEALSRGWALWQALLALLCWLWHGLAHPASWLQPLGPPATPPGSPPCS
LLL DSSLSSNWDDDSLGPSSLPEAVLARTVGSTSTPRSRCTPRDALDLDINSEPPRGSFSPFEPRNLLS
LFEDTLDPT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004194</u>
RefSeq Size:	2121
RefSeq ORF:	1497



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Synonyms: MYT1; PPP1R126

Locus ID: 9088

UniProt ID: [Q99640](#), [Q0IJ49](#)

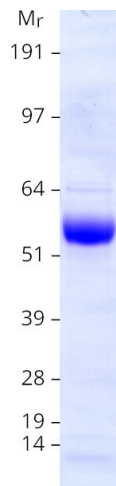
Cytogenetics: 16p13.3

Summary: 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. [provided by RefSeq, May 2012]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation

Product images:



Coomassie blue staining of purified PKMYT1 protein (Cat# [TP322657]). The protein was produced from HEK293T cells transfected with PKMYT1 cDNA clone (Cat# [RC222657]) using MegaTran 2.0 (Cat# [TT210002]).