

Product datasheet for **TP507845**

Pkmyt1 (NM_023058) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein kinase, membrane associated tyrosine/threonine 1 (Pkmyt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR207845 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MTMPTEGTPPPLSGTPIPVPAYFRHAEPGFSLKRPGLSRSLPPRPPAKGCIPVSRLFPPRTPGWHQPQP
RRVSFLCETSEPLQSPGYDPSRPESFFQNFQRLSRLGHGSYGEVFKVRSKEDGRLYAVKRYMSPFRGPK
DRTRKLAEVGGHEKVGQHPHCVRLERAWEEGGILYLQTELCGPSLQQHCEAWGASLPEAQVWGYLRDILL
ALDHLHSQGLVHLDVKPANIFLGRGRCKLGDFGLLVELGSTGAGEAQEGDPRYMAPELLQGSYGTAADV
FSLGLTILEVACNMELPHGGEGWQQLRQGYLPPEFTAGLSSELRSVLAMMLEPDPQLRATAEALLALPML
RQPRPWNVLWYMAAEALSRGWALWQALVTLWCWLWHGLVHPASWLQPPGPPATPPGSPPCSPLLDSTLSS
SWDNDSIGPSLSPETVLSRITRRTSTPRGRYIPRDALDLTDVDSEPPRGPCTFEPRNLLSLFEDSLDPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

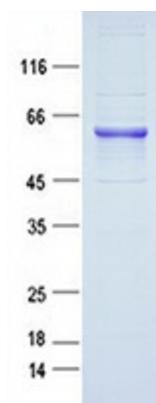
Tag:	C-MYC/DDK
Predicted MW:	54.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_075545
Locus ID:	268930



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UniProt ID:	<u>Q9ESG9</u>
RefSeq Size:	2039
Cytogenetics:	17 A3.3
RefSeq ORF:	1473
Synonyms:	6230424P17; AW209059; Myt1
Summary:	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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Pkmyt1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.