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Product datasheet for TP507960

Cdk16 (NM_011049) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cyclin-dependent kinase 16 (Cdk16), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207960 protein sequence Red=Cloning site Green=Tags(s) MDRMKKIKRQLSMTLRGGRGIDKTNGVPEQIGLDESGGGGGSDLGEAPTRIAPGELRSVRGPLSSAPEIV HEDMKMGSDGESDQASATSSDEVQSPVRVRIRNHPPRKISTEDINKRLSLPADIRLPEGYLEKLTLNSPI FDKPLSRRLRRVSLSEIGFGKLETYIKLDKLGEGTYATVYKGKSKLTDNLVALKEIRLEHEEGAPCTAIR EVSLLKDLKHANIVTLHDIIHTEKSLTLVFEYLDKDLKQYLDDCGNVINMHNVKLFLFQLLRGLAYCHRQ KVLHRDLKPQNLLINERGELKLADFGLARAKSIPTKTYSNEVVTLWYRPPDILLGSTDYSTQIDMWGVGC IFYEMATGRPLFPGSTVEEQLHFIFRILGTPTEETWPGILSNEEFRTYNYPKYRAEALLSHAPRLDSDGA DLLTKLLQFEGRNRISAEDARKHPFFLSLGERIHKLPDTTSIFALKEVQLQKEANIRSTSMPDSGRPAFR VVDTEF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	55.9 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_035179

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Locus ID:	18555
UniProt ID:	Q04735, Q543G3
RefSeq Size:	3042
Cytogenetics:	X 16.18 cM
RefSeq ORF:	1491
Synonyms:	Crk5; Pctaire1; Pctk1
Summary:	Protein kinase that plays a role in vesicle-mediated transport processes and exocytosis. Can phosphorylate CCNY at 'Ser-336' (in vitro) (By similarity). Plays a role in the regulation of insulin secretion in response to changes in blood glucose levels. Regulates GH1 release by brain neurons. Phosphorylates NSF, and thereby regulates NSF oligomerization. Required for normal spermatogenesis. Regulates neuron differentiation and dendrite development. [UniProtKB/Swiss-Prot Function]