

Product datasheet for TP509333

Plk1 (NM_011121) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse polo like kinase 1 (Plk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209333 protein sequence Red =Cloning site Green =Tags(s)

MNAAAKAGKLARAPADLGKGGVPGDAVPGAPVAAPLAKEIPEVLVDPRSRQYVVRGRFLGKGGFAKCFEISDADTKEVFAGKIVPKSLLKPHQKEKMSMEISIHRS LAHQHVVGFDHDFEDSDFVFWLELCRRRSLLELHKRRKALTEPEARYYLRQIVLGCQYLHRNQVIHRDLKGNLFLNEDLEVKIGDFGLATKVEYEGERKKTLCGTPNYIAPEVLSKKGHSFEVDVWSIGCIMYTLVVGKPPFETSCLKETYLRIKKNEYSIPKHINPVAASLIQKMLQTDPTARPTIHELLNDEFFTSGYIPARLPITCLTIPPRFSIAPSSLDPSSRKPLKVLNKGVENPLPDRPREKEEPVVRETNEAIECHLSDLLQQLTSVNASKPSEGLVLRQEEAEDPACIPIFWWSKWWVDYSDKYGLGYQLCDNSVGVLFNDSTRILYLNDGDSLQYIERDGTESYLTVSSHNSMLMKKITLLNYFRNYMSEHLKAGANITPREGDELARLPYLRTWFRTRSAILHLSNGTVQINFFQDHTKLILCPLMAAVTYINEKRDFQTYRSLLEEYGCCKELASRLRYARTMVDKLLSSRSASNRLKAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	68.3 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.



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RefSeq: [NP_035251](#)

Locus ID: 18817

UniProt ID: [Q07832](#), [Q3TPZ2](#)

RefSeq Size: 2203

Cytogenetics: 7 65.52 cM

RefSeq ORF: 1812

Synonyms: P; Plk; STPK; STPK13

Summary: The Ser/Thr protein kinase encoded by this gene belongs to the CDC5/Polo subfamily. It is highly expressed during mitosis and may play a role in DNA replication during S phase. This gene is expressed in all embryonic tissues, but restricted to thymus and ovaries in adult tissues. Homozygous knockout mice were embryonic lethal, suggesting that this gene is important for early embryonic development. This gene is thought to be a potential oncogene because it is overexpressed in a variety of tumors and tumor cell lines. Depletion of this protein in cancer cells has been shown to inhibit cell proliferation and suppress oncogenic transformation; hence, it is a target for cancer therapy. [provided by RefSeq, Sep 2015]