

Product datasheet for TP509337

Prc1 (NM_145150) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein regulator of cytokinesis 1 (Prc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209337 protein sequence Red =Cloning site Green =Tags(s)

MRRSEVLADESITCLQKALTHLREIWELIGIPEEQRLQRTEVKKHIKDLLDRMIAEEESLRERLLKSIS
ICQKELSTLCELQVKPFQEEKDTTILQLEKDLRTQVELMRKQKKERKQELKLLQEQEQELRDILCMPPC
DVDSTSVPTLEELKLFQRVATLRETKESTRREEFVNIKKQIILCMEELEHSPDTSFERDVCEDSAFCL
SLENIATLQKLLKQLEMKKSQNEAECEGLRTQIRELWDRLQIPEEEREPVEAIMTGSKTIRNALKLEVD
RLEELKMQNIKQVIEKIRVELAQFWDQCFYSQEQRFAPYYSEDYTENLLHLHDAEIVRLRNYYDAHKE
LFQGVQKWEESWKLFLFERKASDPGRFTNRGGNLLKEEKERAKLQKTLPKLEEELKARIEQWEQEHSTA
FVNGQKFMHEYVTEQWELHRLEKERAKQERQLKNKKQTEAEMLYGSTPRTPSKRPQTPPKSGKMNTTMM
SSATPNSSIRPVFGGSVYRSPMSRLPPSGSKSVVTSLSGSKTTPRAAQLRANKENLDLNGSILSGGYPGS
TPLQHNCISIKSVASTYSEFSRELSKASRSDATSRILNSTNIQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	70.3 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_660132](#)

Locus ID: 233406

UniProt ID: [G3UW86](#)

RefSeq Size: 3049

Cytogenetics: 7 45.62 cM

RefSeq ORF: 1812

Synonyms: D7Ertd348e

Summary: Key regulator of cytokinesis that cross-links antiparrallel microtubules at an average distance of 35 nM. Essential for controlling the spatiotemporal formation of the midzone and successful cytokinesis. Required for KIF14 localization to the central spindle and midbody. Required to recruit PLK1 to the spindle. Stimulates PLK1 phosphorylation of RACGAP1 to allow recruitment of ECT2 to the central spindle. Acts as an oncogene for promoting bladder cancer cells proliferation, apoptosis inhibition and carcinogenic progression.[UniProtKB/Swiss-Prot Function]