

## Product datasheet for **TP500685**

### Cdk2ap2 (NM\_026373) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse CDK2-associated protein 2 (Cdk2ap2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200685 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MSYKPIAPAPSSTPGSSTPGPGTPVPTAGSVSPSPSGSVPGAAAPFRPLFNDFGPPSMGYVQAMKPPGSQG SQSTYTDLLSVIEEMGKEIRPTYAGSKSAMERLKRGIHARALVRECLAETERNART
	<b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	13.2 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:	<a href="#">NP_080649</a>
Locus ID:	52004
UniProt ID:	<a href="#">Q9CPY4</a>
RefSeq Size:	911
Cytogenetics:	19 A
RefSeq ORF:	384



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**Synonyms:** 5830466O21Rik; D19Ert144e; Doc-1r

**Summary:** Plays a role in regulating the self-renewal of embryonic stem cells (ESCs) and in maintaining cell survival during terminal differentiation of ESCs (PubMed:22548356). Regulates microtubule organization of metaphase II oocytes (PubMed:12944431). Inhibits cell cycle G1/S phase transition by repressing CDK2 expression and activation; represses CDK2 activation by inhibiting its interaction with cyclin E and A (By similarity).[UniProtKB/Swiss-Prot Function]