

## Product datasheet for **TP505941**

### Prkar1a (NM\_021880) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein kinase, cAMP dependent regulatory, type I, alpha (Prkar1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205941 representing NM_021880 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MASGSMATSEEERSLRECELYVQKHNIQALLKDSIVQLCTTRPERPMAFLREYFERLEKEEARQIQCLQK TGIRTDSDREDEISPPPNPVVKGRRRRGAI SAEVYTEEDAASYVRKVIPKDYKTMALAKAIEKNVLF LDDNERSDIFDAMFPVSFIAGETVIQQGDEGDNFYVIDQGEMDVYVNEWATSVGEGGSFGELALIY GTPRAATVKAKTNVKLWGDIDRDSYRRILMGSTLRKRKMYEEFLSKVSILES LDKWERLTVADALE PVQFEDGQKIVVQGE PGDEFFIILEGTA AVLQRRSENEEFVEVGRLGPSDYFGEIALLMNR PRAATVWARGPLKCVKLD RPRFERVLGPCSDILKRNIQYNSFVLSLV</p> <p><b>SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	43.6 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_068680</a>
Locus ID:	19084
UniProt ID:	<a href="#">Q9DBC7</a>



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RefSeq Size: 3324

Cytogenetics: 11 72.33 cM

RefSeq ORF: 1143

Synonyms: 1300018C22Rik; R; Rlalpha; Tse; Tse-; Tse-1; Tse1

**Summary:** The encoded protein is a regulatory subunit of the cAMP-dependent protein kinase (PKA) complex, which is responsible for transducing most of the cAMP signals in eukaryotic cells. The inactive PKA complex contains two regulatory and two catalytic subunits. Binding of cAMP dissociates the complex, allowing monomeric catalytic subunits to phosphorylate cytosolic proteins or induce gene expression in the nucleus. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Sep 2015]