

Recombinant Human PRKAR1A Protein

Catalog #	Source	Reactivity	Applications
CRP2157	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human PRKAR1A Protein is produced by our mammalian expression system and the target gene encoding Glu2-Val381 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	PRKAR1A		
Alternative Names	PKR1; PRKAR1; TSE1; cAMP-dependent protein kinase type I-alpha regulatory subunit; Tissue-specific extinguisher 1; TSE1		
Entrez Gene	5573 (Human)		
SwissProt	P10644 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>ESGSTAASEE ARSLRECELY VQKHNIQALL KDSIVQLCTA RPERPMAFLR EYFERLEKEE AKQIQNLQKA GTRTDSREDE ISPPPPNPVV KGRRRRGAIS AEVYTEEDAA SYVRKVIPKD YKTMAALAKA IEKNVLFSLH DDNERSDIFD AMFSVSFIAG ETVIQQGDEG DNFYVIDQGE TDVYVNNEWA TSVGEGGSFG ELALIYGTPR AATVKAKTNV KLWGIDRDSY RRILMGSTLR KRKMYEEFLS KVSILESLDK WERLTVADAL EPVQFEDGQK IVVQGEPEGDE FFIILEGSAA VLQRRSENEE FVEVGRLGPS DYFGEIALLM NRPRAATVVA RGPLKCVKLD RPRFERVLGP CSDILKRNIQ QYNSFVSLSV VDHHHHHH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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