

Certificate of Analysis

Human PRKAR1B Recombinant protein (6*His tag)

Catalog Number: 521974

Product Information

Batch No.	NP456396
Species	Human
Source	E. coli
Tag	N-His tag
Accession	P31321
Gene ID	5575

Analytical Data

Test	Specifications	Results
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.	90%
Endotoxin Level	-	Not Tested
Molecular Weight		Approximately 44.30 kDa band in reducing SDS-PAGE.
Appearance		White lyophilized powder

Preparation and Storage

Formulation	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
Reconstitution	Reconstitute at 0.25 µg/µl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage & Stability	Store for up to 12 months at -20°C to -80°C as lyophilized powder. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	Ambient temperature

This certificate summarizes the QC information recorded for the batch listed above.

QC Signature

QC Date: 2026-03-16

Products are for research use only and are not intended for diagnostic or therapeutic use.