

# Recombinant Human P21 Protein (His Tag)

RPES8787

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES8787

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Contents:** 100µg, 20µg, 500µg, 1mg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** < 10 EU/mg of the protein as determined by the LAL method

**Synonyms:** CAP20, CDK-interacting protein 1, CDKI, CDKN1, CDKN1A, CDN1A, CIP1, Cyclin Dependent Kinase Inhibitor 1A, DNA Synthesis Inhibitor, MDA-6, MDA6, Melanoma differentiation-associated protein 6, P21cip1, P21waf, PIC1, SDI1, SLC12A9, WAF1

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** N-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** E.coli

**Bio-Activity:** Not validated for activity

**Calculated MW:** 13.6 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Observed MW:** 18 kDa

**Reconstitution:** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

**Accession:** P38936

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Source:** E.coli-derived Human P21 protein Gly40-Pro164, with an N-terminal His

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Sequence:** Gly40-Pro164

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.

**Form:** Lyophilized powder