

Recombinant SARS-CoV-2 Papain-like Protease Protein (His Tag)

RPES0056

Description

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

SKU: RPES0056

Purity: > 90 % as determined by reducing SDS-PAGE.

Contents: 100µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: SARS-CoV-2

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: PL-PRO, PLpro, Papain-like Protease, Replicase polyprotein 1a, pp1a

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: Measured by its ability to cleave a fluorogenic peptide substrate, Arg-Leu-Arg-Gly- Gly-AMC (RLRGGAMC). The Specific Activity is > 80pmols/min/µg

Calculated MW: 36.8 kDa

Formulation: Lyophilized from sterile 20 mM Tris 500mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: -

Reconstitution: Please refer to the printed manual for detailed information.

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

Accession: YP_009725299.1

Source: E.coli-derived SARS-CoV-2 SARS-CoV-2 Papain-like Protease protein Glu1564-Val1880, with an N-terminal His

Sequence: Glu1564-Val1880

Form: Lyophilized powder

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

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