

# Recombinant Human Interferon $\gamma$ /IFNG Protein

RPES1899

## 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:** RPES1899

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

**Contents:** 100 $\mu$ g, 20 $\mu$ g  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** < 0.01 EU per  $\mu$ g of the protein as determined by the LAL method.

**Synonyms:** IFN-Gamma, IFNG, Immune Interferon, Interferon Gamma

**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:** C-His

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

**Expression Host:** E.coli

**Bio-Activity:** Measure by its ability to induce cytotoxicity in HT29 cells. The ED50 for this effect is <1 ng/mL. The specific activity of recombinant human IFN gamma is approximately >2 x 10<sup>6</sup> IU/mg.

**Calculated MW:** 17.7 kDa

**Formulation:** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH 8.0. 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:** 17 kDa

**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:** P01579

**Source:** E.coli-derived Human Interferon  $\gamma$ , IFNG protein Gln24-Gln166, with an C-terminal His

**Sequence:** Gln24-Gln166

**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.