

# Recombinant Human IFN beta 1a protein(His Tag)

RPES6450

## 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:** RPES6450

**Purity:** > 98 % as determined by reducing SDS-PAGE.

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

**Concentration:** -

**Species:** Human

**Endotoxin:** < 0.1 EU per µg of the protein as determined by the LAL method.

**Synonyms:** IFNB1, Type I Interferon

**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 apoptosis in HeLa cells. The ED50 for this effect is <15 ng/mL. Measure by its ability to induce cytotoxicity in TF-1 cells. The ED50 for this effect is <0.1 ng/mL. The specific activity of recombinant human IFN beta 1a is approximately >1 x10<sup>7</sup> IU/ mg.

**Calculated MW:** 20.8 kDa

**Formulation:** Lyophilized from sterile 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.

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

**Observed MW:** 15 kDa

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

**Accession:** P01574

**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 IFN beta 1a protein Met 22-Asn 187, with an C-terminal His

**Sequence:** Met 22-Asn 187

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

**Form:** Lyophilized powder