

# Recombinant Human IL-6/Interleukin-6 Protein

RPES1357

## 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:** RPES1357

**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:** IFNB, Interleukin HP, Interferon Beta, B-Cell Stimulatory Factor, IFN-Beta, B-cell hybridoma growth factor, B-Cell Stimulatory Factor 2, BSF2, BSF-2, CDF, CTL Differentiation Factor, HGF, HSF, Hybridoma Growth Factor, IFN-Beta-2, IL-6, Interferon Beta-2, Interleukin 6, Interleukin HP-1, Interleukin-6, IL6, IFNB2, B cell differentiation factor, B cell stimulatory factor 2, BSF 2, Hepatocyte stimulatory factor, Hybridoma growth factor Interferon beta-2, IL 6, Interferon beta 2, Interleukin 6 (interferon beta 2), Interleukin BSF 2, Interleukin-6, IL-6, B-cell hybridoma growth factor, Interleukin HP-1

**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:** 1. Measure by its ability to induce proliferation in TF-1 cells. The ED50 for this effect is <0.5 ng/mL. The specific activity of recombinant human IL-6 is approximately >5 x 10<sup>8</sup> IU/mg. 2. Measure by its ability to induce proliferation in MCF-7 cells. The ED50 for this effect is <4.4 ng/mL.

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

**Calculated MW:** 21.8 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.

**Observed MW:** 22 kDa

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

**Accession:** P05231

**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 IL-6/Interleukin-6 protein Val30-Met212, with an C-terminal His

**Sequence:** Val30-Met212

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

**Form:** Lyophilized powder

