

# Recombinant Mouse Interleukin-6/IL-6 Protein

RPES2025

## 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:** RPES2025

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

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

**Concentration:** -

**Species:** Mouse

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

**Synonyms:** BSF, Interleukin, Interleukin HP, IFNB, B-cell hybridoma growth factor, BSF2, CDF, HGF, HSF, IFNB2, IL 6, Interleukin HP-1, Interleukin-6, Il-6, Il6

**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 proliferation in 7TD1 cells. The ED50 for this effect is <0.01 ng/mL. The specific activity of recombinant mouse IL-6 is approximately >1x 10<sup>8</sup> IU/mg.

**Calculated MW:** 22.7 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:** 24 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:** P08505

**Source:** E.coli-derived Mouse Interleukin-6/IL-6 protein Phe25-Thr211 , with an C-terminal His

**Sequence:** Phe25-Thr211

**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.