

Recombinant Human IL-11 Protein

RPCB0246

Description

This high-purity Recombinant Human IL-11 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:	RPCB0246
Contents:	10 µg, 20 µg, 50 µg, 100 µg Bradford Reagent: 1 vial (2ml)
Synonyms:	IL11, AGIF, IL-11
Species:	Human
Gene ID:	3589
Expression Host:	E. coli
Tags:	No tag
Calculated MW:	19.14 kDa
Observed MW:	21 kDa
Purification:	≥ 95 % as determined by SDS-PAGE.
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Formulation:	Lyophilized from a 0.22 µm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0. Contact us for customized product form or formulation.
Bio- Activity:	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED 50 for this effect is 1.3-5 ng/mL, corresponding to a specific activity of 2×10^5 - 7.69×10^5 units/mg.

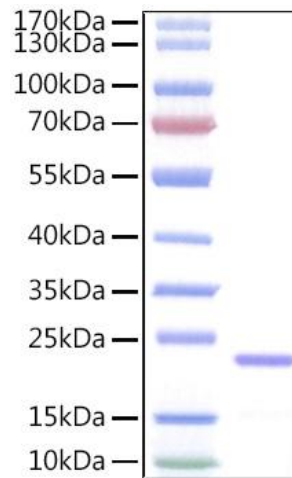
Manufacturers Statement - This final kit system is assembled and quality-released by Assay Genie Limited

Preparation & Storage

- Shipping:** The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
- Storage:** Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Store Bradford Reagent at Room Temperature for 1 Year.
- Reconstitution:** Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
- 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.

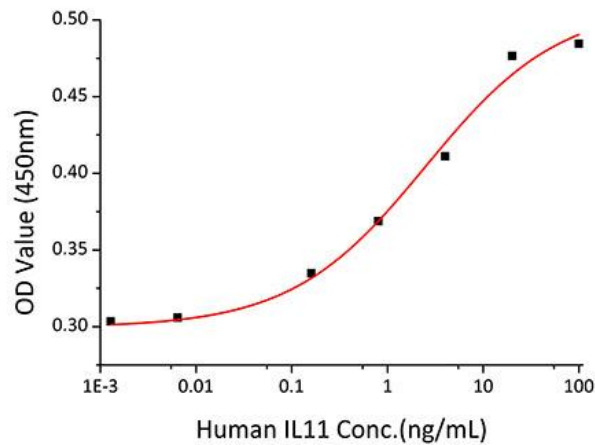
Validation Data

Image



Description

Recombinant Human IL-11 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant human IL11 promotes the proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is 1.3-5ng/mL, corresponding to a specific activity of 2×10^5 - 7.69×10^5 units/mg.