

Recombinant Human IL-23/IL-12B&IL-23A Protein

RPCB0873

Description

This high-purity Recombinant Human IL-23/IL-12B&IL-23A 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:	RPCB0873
Contents:	10 µg, 20 µg, 50 µg, 100 µg Bradford Reagent: 1 vial (2ml)
Synonyms:	IL-23 p19/IL-12 p40, IL23, SGRF , IL-23 alpha & IL-12 beta
Species:	Human
Gene ID:	3593&51561
Expression Host:	HEK293 cells
Tags:	No tag(IL12B)&N-his(IL23A)
Calculated MW:	19.50 kDa(IL-12A), 34.71 kDa(IL-12B)
Observed MW:	20 kDa(IL-23A), 45-50 kDa(IL-12B)
Purification:	≥ 95 % as determined by SDS-PAGE.
Endotoxin:	< 0.1 EU/µg of the protein by LAL method.
Formulation:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.
Bio- Activity:	1. Measured by its binding ability in a functional ELISA. Immobilized Human IL-12B&IL-23A at 5µg/mL (100 µL/well) can bind Human IL23R with a linear range of 4-135 ng/ml.

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

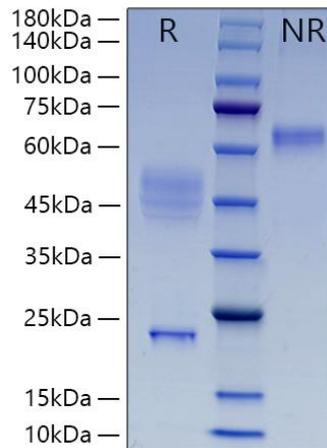
2. Measured by its ability to induce IL-17 secretion by mouse splenocytes. The ED 50 for this effect is 21.23-84.94 ng/mL, corresponding to a specific activity of $1.17 \times 10^4 \sim 4.71 \times 10^4$ units/mg.

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.

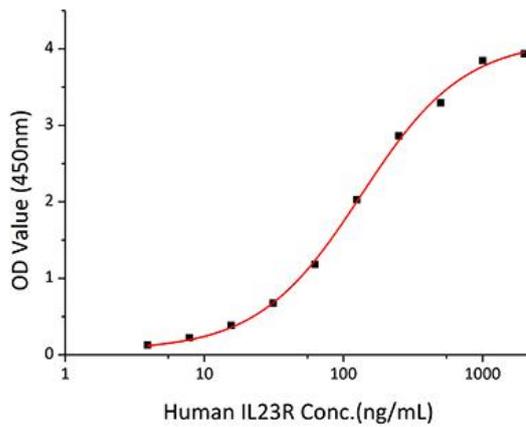
Validation Data

Image



Description

Recombinant Human IL-23/IL-12B&IL-23A Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



Immobilized Human IL-12B&IL-23A at 5 μ g/mL (100 μ L/well) can bind Human IL23R with a linear range of 4-135 ng/mL.