

## Human recombinant IL-23 p19 (Interleukin-23 p19) protein, AF

Catalog Number: PROTQ9NPF7-3

### Overview

Product Name	Human recombinant IL-23 p19 (Interleukin-23 p19) protein, AF
Description	Interleukin 23 p19(IL-23p19) predicts a molecular mass of 20.7 kDa. Interleukin 23 is a heterodimeric cytokine composed of an IL-12p40 subunit that is shared with IL-12 and the IL-23p19 subunit. The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4 and stimulate the production of interferon-gamma (IFN-gamma).
Size	5ug,20ug,100ug
Tag	His Tag (N-term)
Form	Lyophilized
Source	Escherichia coli
Formulation	The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.

### Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

### Purity

>95% as determined by SDS-PAGE.

### Molecular weight

The protein has a calculated MW of 19.49 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

### Activity

Measured by its ability to induce IL-17 secretion in mouse splenocytes. The ED<sub>50</sub> for this effect is <0.5 ng/mL.

### Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

### Amino Acid Sequence

RAVPGGSSPAWTQCQQLS QKLCTLAWSAHPLVGHMDLREEGDEETTNDVPHIQCGDGC DPQGLRDNSQFCLQRIHQGLIFYEKLLGSDIFTGEP SLLP  
DSPVGQLHASLLGLS QLLQPEGHHWETQQIPSLSPSPWQRLLLLRFKILRSLQAFVAVAAARVFAHGAATLSP with polyhistidine tag at the N-terminus.

### Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## Usage

---

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

## Submit a product review to Biocompare.com

---

Submit a review of this product to Biocompare.com to receive a \$20 Amazon giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Human recombinant IL-23 p19 (Interleukin-23 p19) protein, AF

For Research Use Only. Not for use in diagnostic procedures.