


**Recombinant Human  
IL-23**

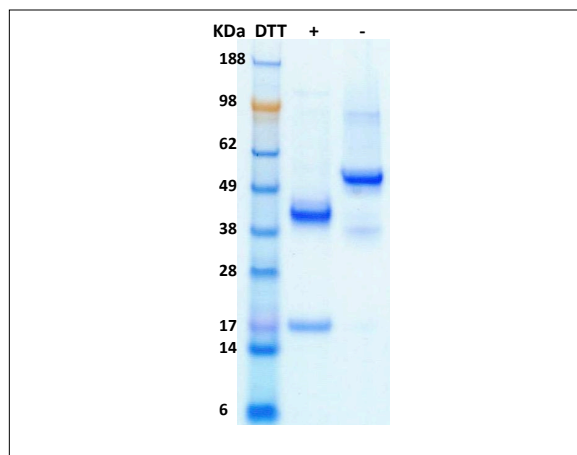
**IL-23 HumaXpress**

**Product Description**

- Endotoxin-free\*
- Animal-derived product free
- Available in Bulk
- High Activity
- Expressed as disulfide-linked heterodimer

Xeno-free IL-23<sup>HuXp</sup> is expressed in human 293 cells as a heterodimeric glycoprotein composed of two disulfide-linked subunits (p40 cystine linked to p19). This cytokine is produced in a human cell expression system with serum-free, chemically defined media. Production in human 293 cells offers authentic glycosylation. Cytokines produced in Sf9 or Sf21 cells have post-translational modifications which are not human-like.

 All HumaXpress® HumanKine™ cytokines are animal-component-free and Xeno-free



**Typical Specifications**

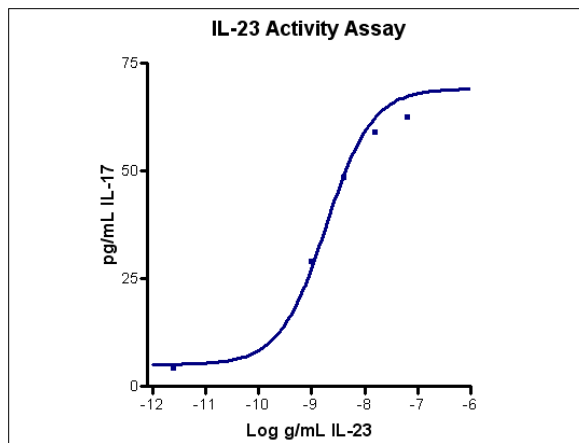
**Species** Human  
**Expression** Human Cell Expressed  
**Activity** 2 to 20 ng/mL ED50  
**Purity** >95%  
**Endotoxin** Endotoxin-free\*  
**Molecular Mass** 55 kDa, heterodimer, glycosylated

**Purity Confirmation**

The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

**Activity Assay**

The specific activity was determined by the dose-dependent secretion of IL-17 from mouse splenocytes activated with 10ng/mL PMA.



\* Endotoxin-free ... <1 EU/μg  
 All HumanKine™ cytokines are expressed in the HumaXpress® human cell expression system and intrinsically have low endotoxin levels.

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