

**Human**Kine<sup>®</sup> IL-23 (Recombinant Human)



Animal Component-Free	Human cell expressed	Tag-Free	Endotoxin Free
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**Product Description**

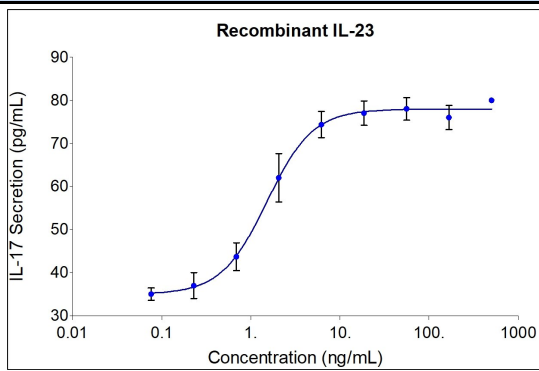
Animal-free Recombinant Human IL-23 is expressed in human 293 cells as a heterodimeric glycoprotein composed of two disulfide-linked subunits (p40 cystine linked to p19). IL-23 has been shown to enhance proliferation of memory T cells. It also stimulates the production of IFN-gamma in NK cells, induces IL-17 production, and drives Th17 mediated responses. Furthermore, it is known that IL-23 takes a vital part in the inflammation process and that it is associated with auto immune diseases.

Alternative Names	IL 23, IL 23 A, IL 23 subunit alpha, IL 23A, IL 23p19, IL23, IL-23, IL23A, IL23P19, Interleukin 23 subunit alpha, Interleukin 23 subunit p19, P19, SGRF
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived IL-23 protein
Species Reactivity	human,mouse

**Specifications**

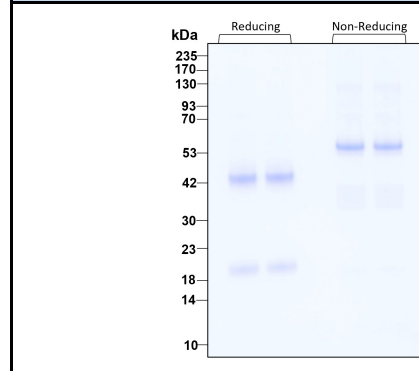
Test	Method	Specification
Activity	Dose-dependent secretion of IL-17 in response to IL-23 using murine splenocytes	1.25-6.5 ng/mL EC50
Molecular Mass	SDS-PAGE	55 kDa, heterodimer, glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/μg

**Activity Data**



Recombinant human IL-23 (Cat no: HZ-1254) induces dose-dependent release of IL-17 in murine splenocytes. Murine splenocytes cells were treated with increasing concentration of recombinant IL-23 for 72 hours before supernatant collection. The supernatant was tested for IL-17 using an IL-17 ELISA kit. The EC50 was determined using a 4-parameter non-linear regression model. The EC50

**SDS-PAGE**



Preparation	
Shipping Temperature	ambient temperature
Formulation	1x PBS, See Certificate of Analysis for details
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS pH 7.4 containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
	Lyophilized	Room Temperature	2 weeks
	Reconstituted as per CofA	-20°C to -80°C	6 months
	Reconstituted as per CofA	4°C	1 week
Avoid repeated freeze-thaw cycles.			

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Document #: FR-QA118-101 Rev 0  
Data Sheet Version #: 1

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