

## Catalog Number: HZ-1316

## **Data Sheet**

## HumanKine® IL-34 (Recombinant Human)

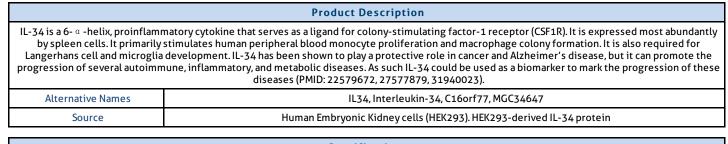
Animal Component-Free

Human cell expressed

Tag-Free E

**Endotoxin Free** 

SC



Specifications					
Test	Method	Specification			
Activity	Dose-dependent release of MCP-1 from peripheral blood mononuclear cells, Dose-dependent stimulation of proliferation in peripheral blood mononuclear cells (PBMCs)	0.45-4.5 ng/mL in MCP-1 ELISA, 2-12 ng/mL in PBMCs Proliferation			
Molecular Mass	SDS-PAGE	38 kDa reduced, 36 and 68 kDa non- reduced, homodimer, glycosylated			
Purity	SDS-PAGE	>95%			
Endotoxin	LAL	<1 EU/µg			

Activity Data	SDS-PAGE	
Recombinant IL-34	Recombinant IL-34 (HZ- 1316) stimulates dose- dependent proliferation of PBMCs. Cell number was quantitatively assessed by PrestoBlue® Cell Viability Reagent. PBMCs were treated with increasing concentrations of IL-34 for 6 days. The EC50 was determined using a 4- parameter non-linear regression model. The EC50 range is 2-12 ng/mL.	kDa Reducing Non-Reducing   235 170 33   130 33 70   53 42 30   23 18 14   10 10 10

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Preparation					
Shipping Temperature	ambient temperature				
Formulation	1 x PBS, See Certificate of Analysis for details				
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein to 0.2 mg/mL in sterile 1x PBS pH 7.4 + HSA. Gently swirl or tap vial to mix.				

	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
Stability and Storage	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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