

HumanKine® IL-22 (Recombinant Human)



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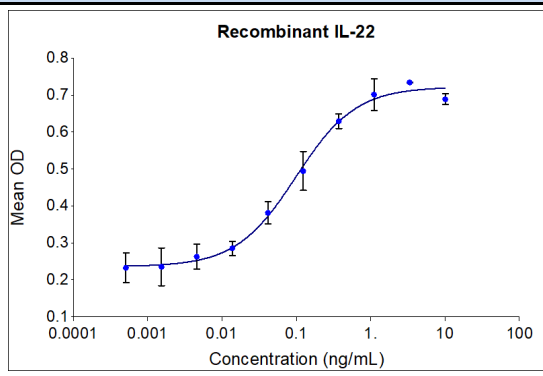
Product Description

Alternative Names	IL-TIF, cytokine ZCYTO18
Source	Human Embryonic Kidney cells (HEK293), HEK293-derived IL-22 protein

Specifications

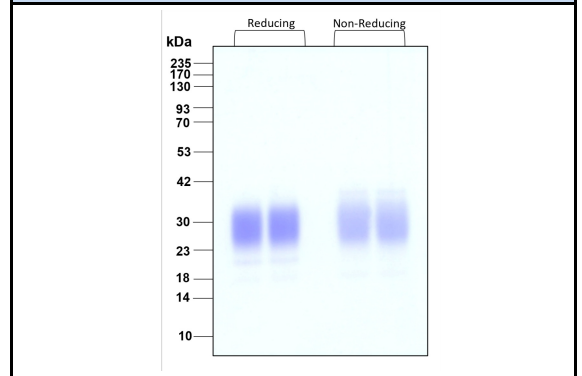
Test	Method	Specification
Activity	Dose-dependent release of IL-10 from the Colo 205 (Human Colon Cancer) cell line.	0.045-0.225 ng/mL EC50
Molecular Mass	SDS-PAGE	25-40 kDa reduced and non-reduced, dimer, glycosylated
Purity	SDS-PAGE	> 95%
Endotoxin	LAL	<1.0 EU/ μg

Activity Data



Recombinant human IL-22 (Cat no: HZ-1325) induces dose-dependent release of IL-10 in the Colo 205 human cell line. Colo 205 cells were treated with increasing concentration of recombinant IL-22 for 24 hours before supernatant collection. The supernatant was tested for IL-10 via 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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