

**HumanKine<sup>®</sup> IL-27 (Recombinant Human)**



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

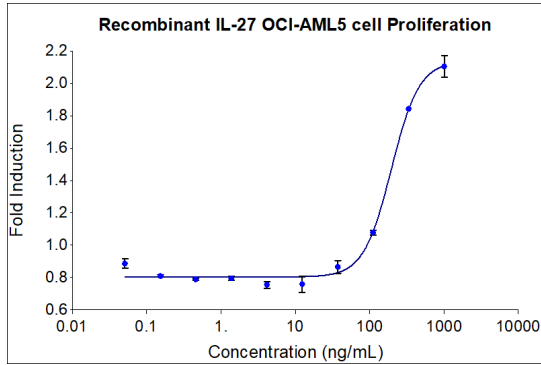
Animal-free Recombinant Human IL-27 is expressed in human 293 cells as a non-covalently bonded heterodimer cytokine composed of IL27p28 (25 kDa) and glycosylated EB13 (30 kDa). Production in human 293 cells uses a serum-free, chemically defined media and offers authentic glycosylation. Cytokines produced in non-human expression systems may have an artificial linker, a tag, and/or not human-like posttranslational modifications.

Alternative Names	IL 27, IL 27 A, IL 27 subunit alpha, IL 27A, IL27, IL-27, IL27 A, IL27A, IL27p28, IL30, interleukin 27, Interleukin 27 subunit alpha, p28
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived IL-27 protein
Species Reactivity	human

**Specifications**

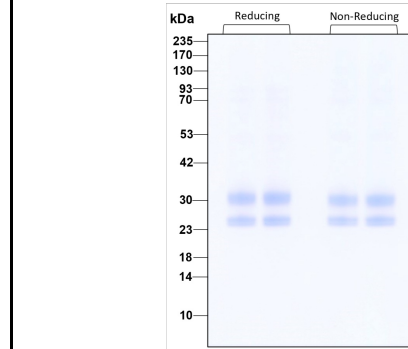
Test	Method	Specification
Activity	Dose-dependent phosphorylation of Stat1 in human liver hepatocellular carcinoma (HepG2) cells. Dose Dependent proliferation of OCI-AML5 cells	3-16 ng/mL EC50 in HepG2 cells. 50-250 ng/mL EC50 in OCI-AML5 cells
Molecular Mass	SDS-PAGE	25 and 30 kDa heterodimer, glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/μg

**Activity Data**



Recombinant human IL-27 (HZ-1275) stimulates dose-dependent proliferation of the OCI-AML5 (human acute myeloid leukemia) cell line. Viable cell number was quantitatively assessed by Prestoblu<sup>e</sup> Cell Viability Reagent. OCI-AML5 cells were treated with increasing concentrations of recombinant human IL-27 for 72 hours. The EC50 was determined using a 4-parameter non-linear

**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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**Proteintech Group, Inc.**  
5500 Pearl Street, Suite 400 Rosemont, IL 60612  
t: 1-888-478-4522; f: 1-312-455-8408  
Email: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)