

## HumanKine<sup>®</sup> recombinant human IL-27 protein



Animal Component-Free

Human cell expressed

Tag-Free

Endotoxin Free

### 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

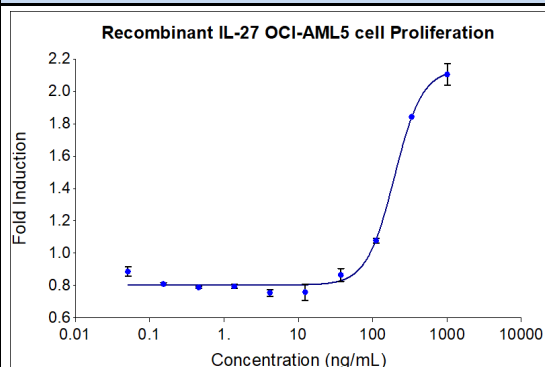
**Source** Human Embryonic Kidney cells (HEK293). HEK293-derived IL-27 protein

**Species Reactivity** human

### Specifications

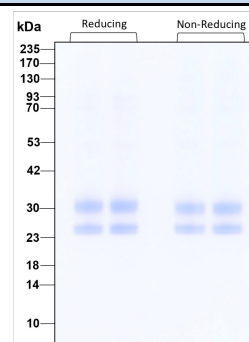
Test	Method	Specification
Activity	Dose Dependent proliferation of OCI-AML5 cells	15-200 ng/mL in OCI-AML5 cells
Molecular Mass	SDS-PAGE	25 and 30 kDa reduced and non-reduced, heterodimer, glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/μg

### 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>®</sup> Cell Viability Reagent. OCI-AML5 cells were treated with increasing concentrations of recombinant human IL-27 for 72 hours. The EC<sub>50</sub> 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 to 0.2 mg/mL in sterile 1x PBS pH 7.4 containing 0.1% endotoxin-free recombinant human serum albumin (HSA). Gently swirl or tap vial to mix.

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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