

Animal Component-Free

## Catalog Number: HZ-1074

## Data Sheet

## HumanKine® IL-3 (Recombinant Human)

Human cell expressed

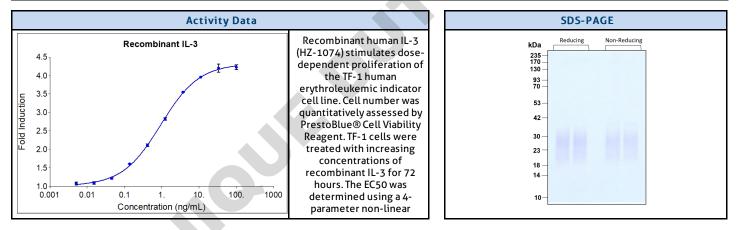
Tag-Free

**Endotoxin Free** 

SC

Product DescriptionAnimal-free Recombinant Human IL-3 expressed in human 293 cells is a glycosylated monomer with an apparent molecular mass of 17 to 40 kDa. This<br/>broad molecular mass is attributable to glycosylation, which is absent when this cytokine is expressed in E. coli. A hematopoietic growth factor, IL-3<br/>promotes the survival, differentiation, and proliferation of committed progenitor cells of the megakaryocyte, granulocyte-macrophage, basophil,<br/>erythroid, eosinophil, and mast cell lineages. This cytokine can also improve the natural response to disease as part of the body's immune system.Alternative NamesHematopoietic growth factor, IL 3, IL3, IL-3, Interleukin 3, Mast cell growth factor, MCGF, MULTI CSF, P cell stimulating factor<br/>SourceSourceHuman Embryonic Kidney cells (HEK293). HEK293-derived IL-3 proteinSpecies Reactivityhuman

Specifications				
Test	Method	Specification		
Activity	Dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line)	0.4-2.0 ng/mL EC50		
Molecular Mass	SDS-PAGE	17 to 40 kDa, monomer, glycosylated		
Purity	SDS-PAGE	>95%		
Endotoxin	LAL	<1 EU/µg		



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Preparation				
Shipping Temperature	ambient temperature			
Formulation	1xPBS, 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.			

	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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