

## Recombinant Human

### IL-3 (Interleukin 3)

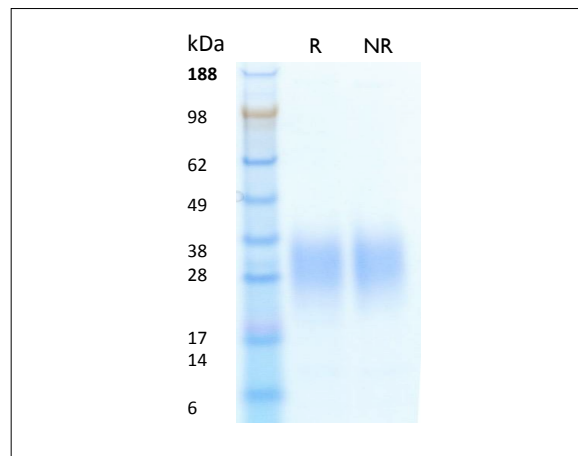
#### Product Description

- Endotoxin-free
- Animal-derived product free
- Lyophilized and Carrier Free (CF)
- Authentic Glycosylation

Xeno-free HumanKine™ IL-3 expressed in human 293 cells is a glycosylated monomer with an apparent molecular mass of 17 to 40 kDa. This broad molecular mass is attributable to glycosylation, which is absent when this cytokine is expressed in E. coli. IL-3 is a hematopoietic growth factor that promotes the survival, differentiation, and proliferation of committed progenitor cells of the megakaryocyte, granulocyte-macrophage, erythroid, eosinophil, basophil, and mast cell lineages.



All HumaXpress® HumanKine™ cytokines are animal-component-free and Xeno-free™



#### Typical Specifications

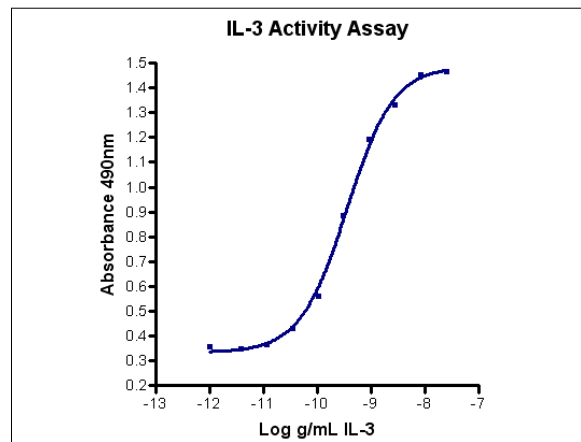
<b>Species</b>	Human
<b>Expression</b>	HEK293 Cell Expressed
<b>Activity</b>	Typically $\leq 2$ ng/mL EC <sub>50</sub>
<b>Purity</b>	>95%
<b>Endotoxin</b>	<1 EU/ $\mu$ g
<b>Molecular Mass</b>	17 to 40 kDa, monomer, glycosylated
<b>Formulation</b>	1x PBS

#### Purity Confirmation

The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

#### Activity Assay

The activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).



#### Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS.

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