

Recombinant Human IL-3

Catalog Number: **HZ-1074**

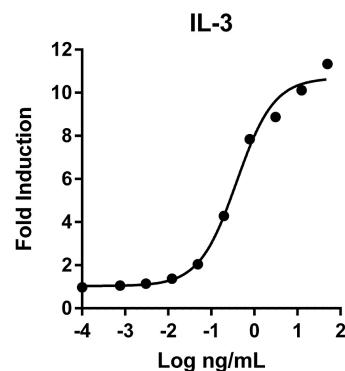
HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	human
Expression	HEK293
Activity	Typically ≤ 2 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	17 to 40 kDa, monomer, glycosylated
Formulation	1xPBS, See Certificate of Analysis for details
Gene ID	3562



The activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) using Promega CellTiter96[®] Aqueous Non-Radioactive Cell Proliferation Assay.

Reconstitution Buffer

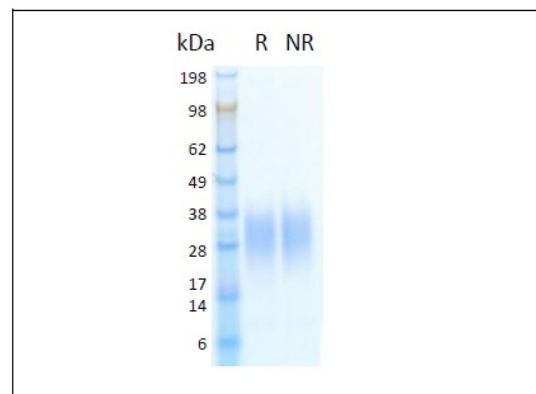
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1 xPBS.

Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

Animal-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 broad molecular mass is attributable to glycosylation, which is absent when this cytokine is expressed in *E. coli*. A hematopoietic growth factor, IL-3 promotes the survival, differentiation, and proliferation of committed progenitor cells of the megakaryocyte, granulocyte-macrophage, basophil, erythroid, eosinophil, and mast cell lineages. This cytokine can also improve the natural response to disease as part of the body's immune system.



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

Synonyms

Hematopoietic growth factor, IL 3, IL3, IL-3, Interleukin 3, Mast cell growth factor, MCGF, MULTI CSF, P cell stimulating factor

For technical support and original validation data for this product please contact:

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