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# Human IL-3 Recombinant Protein (85-420)

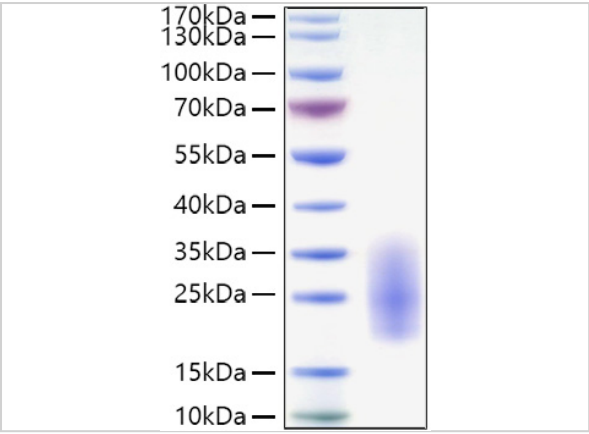
**CATALOG NUMBER: 85-420**

## Specifications

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|---|---|
| **Species** | Human |
| **Source Species** | HEK293 cells |
| **Fusion Tag** | C-His |
| **Tested Applications** | Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB |
| **Predicted Molecular Weight** | 15.93 kDa |
| **Biological Activity** | 1.Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The $ED_{50}$ for this effect is 1.5-6 ng/mL.<br>2.Recombinant Human TPO(50 ng/mL) , IL-3(15 ng/mL), IL-6(15 ng/mL) and IL-11(15 ng/mL) induce hematopoietic stem and progenitor cells to differentiate into megakaryocytes. After 6 days, the induction of CD41/42+ megakaryocytes was successful. |

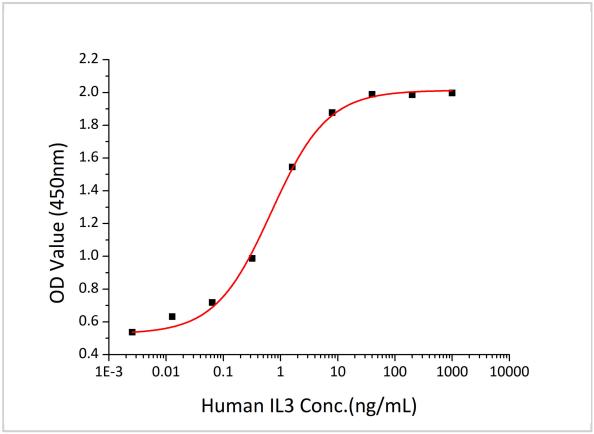
## Properties

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|---|---|
| **Purity** | ≥ 95 % as determined by SDS-PAGE. |
| **Physical State** | Lyophilized |
| **Buffer** | Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. |
| **Storage Conditions** | Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.<br>After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. |




## 85-420_1

Recombinant Human IL-3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.




## 85-420_2

Recombinant Human IL3 promotes the proliferation of TF 1 human erythroleukemic cells. The $ED_{50}$ for this effect is 0.345-1.38 ng/mL, corresponding to a specific activity of $7.25\times10^{5<...}$

# Disclaimer

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|---|---|
| **Disclaimer** | Products are intended for laboratory research purposes only and should be used by qualified personnel only. They are not intended for use in humans. ProSci is not liable for damages or injuries resulting from receipt and/or use of ProSci materials. Please refer to the Material Safety Data Sheet (MSDS) for safe storage, handling, and use procedures. |