

Catalog Number: HZ-1168

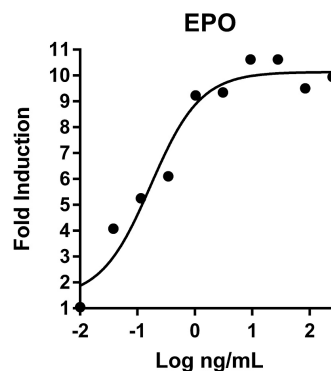
HEK293 expressed

Endotoxin-free

Animal-component free

## Technical Specifications

|                |   |
|----------------|---|
| Species        | Human   |
| Expression     | HEK293  |
| Activity       | Typically $\leq 2.5$ ng/mL EC50                 |
| Purity         | >95%  |
| Endotoxin      | <1 EU/ $\mu$ g                                  |
| Molecular Mass | 36 kDa, monomer, glycosylated                   |
| Formulation    | 1x PBS, See Certificate of Analysis for details |
| Gene ID        | 2056  |



## Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

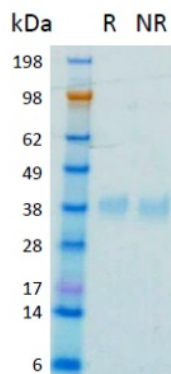
The activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) using Promega CellTiter96<sup>®</sup> Aqueous Non-Radioactive Cell Proliferation Assay.

## 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 EPO is expressed in human 293 cells in a serum-free, chemically defined media. EPO has more abundant and diverse glycan profiles and exhibits a lower molecular mass and substantially higher content of neutral glycans than the CHO cell produced version. See "EPO Authentic Glycan Structure" article for more information on the comparison of glycan structure.



The protein was resolved by SDS- polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue. R represents reducing conditions and NR represents non-reducing conditions.

## Synonyms

EP, EPO, Epoetin, erythropoietin, MVCD2

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
 W: [ptglab.com](http://ptglab.com)

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