



# Recombinant Human EPO-R (C-Fc)

<b>Catalog #</b>	EPT128
<b>Expression Host</b>	Human Cells
<b>DESCRIPTION</b>	Recombinant Human Erythropoietin Receptor is produced by our Mammalian expression system and the target gene encoding Ala25-Pro250 is expressed with a Fc tag at the C-terminus.
<b>Accession</b>	P19235
<b>Synonyms</b>	EpoR; EPO-R; Erythropoietin R; erythropoietin receptor; MGC138358
<b>Mol Mass</b>	52 KDa
<b>AP Mol Mass</b>	55-75 KDa, reducing conditions
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
<b>FORMULATION</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>RECONSTITUTION</b>	Always centrifuge tubes before opening. Do not mix by





vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

## STORAGE

Lyophilized protein should be stored at  $< -20^{\circ}\text{C}$ , though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at  $4-7^{\circ}\text{C}$  for 2-7 days.

Aliquots of reconstituted samples are stable at  $< -20^{\circ}\text{C}$  for 3 months.

## BACKGROUND

Erythropoietin (Epo), a glycoprotein produced primarily by the kidney, is the principal factor that regulates erythropoiesis by stimulating the proliferation and differentiation of erythroid progenitor cells. The biological effects of Epo are mediated by the erythropoietin receptor (Epo R). The presence of a soluble form of the Epo R has also been

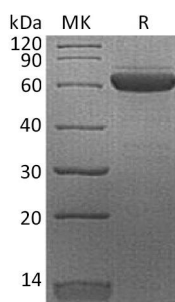




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detected on human sera. Recombinant soluble Epo R binds Epo with high affinity and is a potent Epo antagonist.

## SDS-PAGE



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