

# Recombinant Human EPO Protein

Cat. No: HC0065EL

## PRODUCT INFORMATION

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<b>Synonyms</b>	<i>EPO; erythropoietin; EP; epoetin; MVCD2;</i>
<b>Product Overview</b>	<i>Recombinant Human EPO Protein (P01588) (165 amino acid) with no tag was expressed in CHO.</i>
<b>Species</b>	<i>Human</i>
<b>Accession</b>	<a href="#">EPO</a>
<b>Source</b>	<i>CHO</i>
<b>Form</b>	<i>Sterile filtered lyophilized powder.</i>
<b>Bio-activity</b>	<i>rHuEPO is fully biologically active when compared to standards. Its specific activity is greater than <math>1.2 \times 10^5</math> IU/mg.</i>
<b>Molecular Mass</b>	<i>Recombinant Human EPO Protein consists of a 165 amino acid polypeptide chain heavily glycosylated at three N-linked and O-linked glycosylation sites yielding a total molecular mass of 35-45kDa. About 40% of the fully glycosylated EPO molecule consists of</i>
<b>Endotoxin</b>	<i>&lt; 0.1 EU per 1 microgram of protein (determined by LAL method).</i>
<b>Purity</b>	<i>&gt; 98 % by SDS-PAGE.</i>

## USAGE GUIDE

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<b>Storage</b>	<i>In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C). Avoid repeated freeze/thaw cycles.</i>
<b>Reconstitution</b>	<i>Dissolve with double distilled water.</i>
<b>Warning</b>	<i>For research use only!</i>

## BACKGROUND

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<b>Background</b>	<i>Erythropoietin is the principal hormone involved in the regulation of erythrocyte differentiation and the maintenance of a physiological level of circulating erythrocyte mass.</i>
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