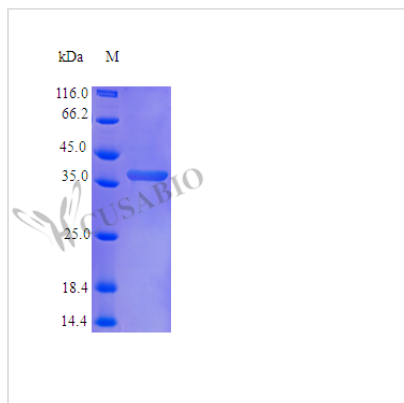




# Recombinant Human Erythropoietin protein (EPO) (Active)

<b>Product Code</b>	CSB-AP002101HU
<b>Uniprot No.</b>	P01588
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2µm filtered sodium citrate buffer (1 liter of ddH <sub>2</sub> O containing 5.9 g of sodium citrate, 5.8 g of sodium chloride and 0.06 g of citric acid)
<b>Product Type</b>	Colony Stimulating Factor
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Fully biologically active when compared to standard. The Specific Activity was measured by the stimulation of reticulocyte production in normocyth-aemic mice and was found to be no less than 1.5x10 <sup>5</sup> IU/mg.
<b>Purity</b>	>98% as determined by SDS-PAGE and HPLC.
<b>Sequence</b>	APPRLICDSRVLERYLLEAKEAENITTGCAEHCSLNENITVPDTKVNIFYAWKRM EVGQQAVEVWQGLALLSEAVLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLT TLLRALGAQKEAISPPDAASAAPLRTITADTFRKLFVYSNFLRGKCLKLYTGEAC RTGDR
<b>Research Area</b>	Cancer
<b>Source</b>	Mammalian cell
<b>Target Names</b>	EPO
<b>Expression Region</b>	28-193aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	21.0 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>PubMed ID</b>	3838366; 3865178; 9799793; 12853948; 15489334; 8396923; 3949763; 6698989; 3346214; 3219367; 1820196; 11739166; 9774108; 9783743; 18458324

Image


**Endotoxin**

Less than 1.0 EU/μg as determined by LAL method.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.