



Recombinant Dog Erythropoietin (EPO)

Product Code	CSB-EP007743DO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P33707
Product Type	Recombinant Protein
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Purity	>85% (SDS-PAGE)
Sequence	APPRLICDSR VLERYILEAR EAENVTMGCA QGCSFSENI T VPDTKVN FYT WKRMDVGQQA LEVWQGLALL SEAILRGQAL LANASQPSET PQLHVDKAVS SLRSLTLLR ALGAQKEAMS LP EEASPAPL RTFTVDTLCK LFRIYSNFLR GKLTLYTGEA CRRGDR
Source	E.coli
Target Names	EPO
Protein Names	Recommended name: Erythropoietin
Expression Region	41-206
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene is a member of the EPO/TPO family and encodes a secreted, glycosylated cytokine composed of four alpha helical bundles. The protein is found in the plasma and regulates red cell production by promoting erythroid differentiation and initiating hemoglobin synthesis. This protein also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types.
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.