Recombinant Rhesus monkey EPO Protein, His-tagged

Cat. No. EPO-1432R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus monkey EPO Protein (Ala28-Arg193) with N-His tag was expressed in E. coli.
Species	Rhesus macaque
Source	E.coli
ProteinLength	Ala28-Arg193
Description	Hormone involved in the regulation of erythrocyte proliferation and differentiation and the maintenance of a physiological level of circulating erythrocyte mass. Binds to EPOR leading to EPOR dimerization and JAK2 activation thereby activating specific downstream effectors, including STAT1 and STAT3.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.1 kDa Accurate Molecular Mass: 27 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for

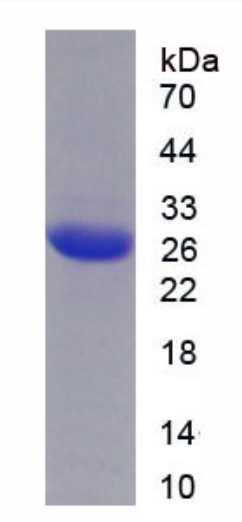
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	48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	EPO erythropoietin [Macaca mulatta (Rhesus monkey)]
Official Symbol	EPO
Synonyms	EPO; erythropoietin; erythropoietin
Gene ID	719294/
mRNA Refseq	NM_001042736
Protein Refseq	NP_001036201
UniProt ID	Q28513

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