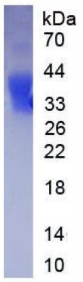
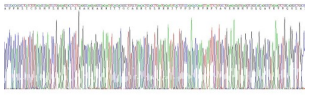
Human Erythropoietin (EPO) Protein (Active)

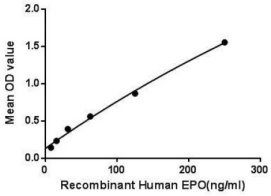
Catalogue No.:abx652296



SDS-PAGE analysis of Human Erythropoietin.



Gene sequencing extract of Human Erythropoietin.



Binding activity of Erythropoietin with Erythropoietin Receptor (EPOR).

Erythropoietin Protein is a recombinant active Human protein. It is produced in 293F cells using Eukaryotic expression.

Target:	Erythropoietin (EPO)
Research Area:	Endocrinology, Hematology, Hormone Metabolism
Origin:	Human
Expression:	Recombinant
Tested Applications:	WB, SDS-PAGE
Host:	293F cell
Conjugation:	Unconjugated

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Form:	Lyophilized
Purity:	> 92%
Reconstitution:	To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH_2O. If a lower concentration is required, dilute in 10 mM PBS, pH 7.6. If a higher concentration is required, the product can be reconstituted directly in 10 mM PBS, pH 7.6, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.
Storage:	Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P01588 (UniProt, ExPASy)
Gene Symbol:	EPO
GeneID:	2056
KEGG:	hsa:2056
String:	9606.ENSP00000252723
Molecular Weight:	Calculated MW: 20.0 kDa Observed MW: 33 kDa, 40 kDa (determined by SDS-PAGE) Possible reasons why the actual band size differs from the predicted band size: 1. Splice variants. Alternative splicing may create different sized proteins from the same gene. 2. Relative charge. The composition of amino acids may affect the charge of the protein. 3. Post-translational modification. Phosphorylation, glycoslyation, methylation etc. may affect the band size. 4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form. 5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.
Sequence Fragment:	Ala28-Arg193
Tag:	N-terminal His tag
Buffer:	Prior to lyophilization: 10 mM PBS, pH 7.6, 5% trehalose.
Activity:	Active
Concentration:	Prior to lyophilization: 200 µg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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