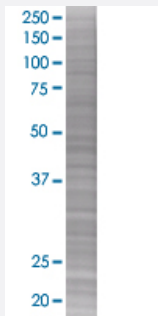


EPO 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002056-T01

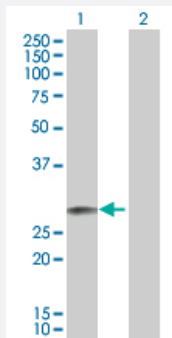
Size 100 uL

Applications



SDS-PAGE Gel

EPO transfected lysate



Western Blot

Lane 1: EPO transfected lysate (21.3 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-EPO full-length
Host	Human
Theoretical MW (kDa)	21.3
Interspecies Antigen Sequence	Mouse (80); Rat (83)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-EPO antibody ([H00002056-B01](#)) by Western Blots.

SDS-PAGE Gel

EPO transfected lysate

Western Blot

Lane 1: EPO transfected lysate (21.3 KDa).

Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — EPO

Entrez GeneID

[2056](#)

GeneBank Accession#

[NM_000799](#)

Protein Accession#

[NP_000790](#)

Gene Name

EPO

Gene Alias

EP, MGC138142

Gene Description

erythropoietin

Omim ID

[133170](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

epoetin

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Cardiovascular Diseases](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Myelodysplastic Syndromes](#)
- [Retinopathy of Prematurity](#)
- [Rhinitis](#)