

Erythropoietin (EPO) Recombinant Protein | EPO recombinant protein

Recombinant Erythropoietin (EPO)

CATALOG # AAA133905	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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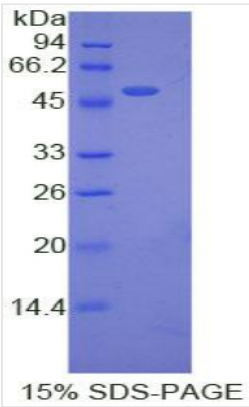
PRODUCT SYNONYMS

Erythropoietin (EPO); Recombinant Erythropoietin (EPO); EPO recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags.His-t agandGST-t ag.itssequ enceislist edbelow. MSPILGYW KIKGLVQPTR LLEYLEEKY EEHLYERDEG DKWRNKKFEL GLEFPNLPYY IDGDVKLTQS MAIRYIADK HNMLGGCPKE RAEISMLEGA VLDIRYGVSR IAYSKDFETL KVDFLSKLPE MLKMFEDRLC HKTYLNGDHV THPDFMLYDA LDVVLMDPM CLDAFPKLVC FKKRIEAIQ IDKYLKSSKY IAWPLQGWQA TFGGGDHPPK SDGSTSGSGH HHHHHSAGLV PRGSTAIGMK ETAAAKFERQ HMDSPDLGTG GSGGIEGRGS MGYRGSEF-A PPRLICDSRV LERYILEAKE GENATMGCAE SCSFSENITV PDKVNFYAW KRMEVQQQAM EVWQGLALLS EAILQGQALL ANSSQPSEAL QLHVDKAVSG LRSLTSLRA LGAQKEAIPL PDASPPSATP LRTFAVDTLCL KLFERNYSNFL RGKLTLYTGE ACRRRDR
Sequence Length	194
Applicable Applications for EPO recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Sus scrofa; Porcine (Pig)
Expression System	Prokaryotic expression
Residues	Ala27~Arg194 (Accession # P49157), with two N-terminal Tags, His-tag and GST-tag.
Subcellular Location	Secreted.
Predicted isoelectric point	6.7
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method).
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Stability Test	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37oC for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	55742715
NCBI GeneID	397249
NCBI Accession #	NP_999299.1
NCBI GenBank Nucleotide #	NM_214134.1
UniProt Accession #	P49157; Q9MYM8
Molecular Weight	51.0kDa
NCBI Official Full Name	erythropoietin
NCBI Official Symbol	EPO
NCBI Protein Information	erythropoietin
UniProt Protein Name	Erythropoietin
UniProt Gene Name	EPO
UniProt Entry Name	EPO_PIG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/epo-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/133905>