Active Recombinant Mouse Erythropoietin Receptor

Cat. No. Epor-464M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Eporprotein was expressed in Murine myeloma cell line. Ala27-Arg192.
Species	Mouse
Source	Mammalian Cells
ProteinLength	27-192 a.a.
Description	Erythropoietin (Epo)is a 34 kDa glycoprotein hormone in the type I cytokine family and is relatedto thrombopoietin. Its three N glycosylation sites, four alpha helices, and NtoCterminal disulfide bond are conserved across species. Glycosylation of Epo isrequired for biological activities in vivo. Mature mouse Epo shares 95% aminoacid sequence identity with rat Epo and 73%-82% with bovine, canine, equine, feline,human, ovine, and porcine EPO.
Form	Lyophilized from a 0.2μm filtered solution in PBS with BSA as a carrier protein.
N-terminalSequence	Ala27
Molecular Weight	18.6 kDa
Activity	Measuredin a cell proliferation assay using TF1 human erythroleukemic cells. Kitamura,T. et al. (1989) J. Cell Physiol. 140:323. The ED50 for this effectis typically 0.4-2 ng/mL.

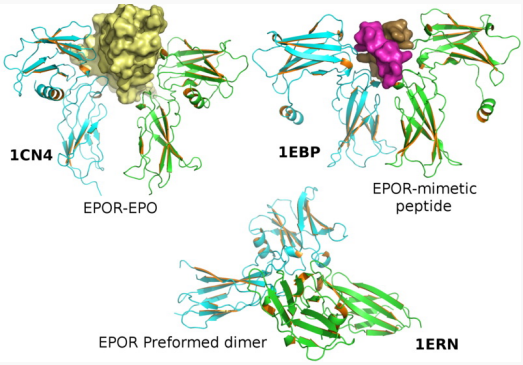
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin Level	<1.0 EUper 1 μg of the protein by the LAL method.
Purity	>90%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstituteat 10 μg/mL in sterile PBS that containing at least 0.1% human or bovine serumalbumin.
Storage	Use a manualdefrost freezer and avoid repeated freezethaw cycles. 12 months from date of receipt, -20 to -70°C as supplied.1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months,-20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Epor erythropoietinreceptor [Mus musculus]
Official Symbol	Epor
Synonyms	Epor; erythropoietinreceptor; EPO-R
Gene ID	13857
mRNA Refseq	NM_010149
Protein Refseq	NP_034279
UniProt ID	P14753
Chromosome Location	9 A3; 9 5.0 cM
Pathway	Cytokine-cytokine receptorinteraction; EPO Receptor Signaling; Hematopoietic cell

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	lineage; Jak-STAT signalingpathway; Kit Receptor Signaling Pathway
Function	cytokine receptor activity;erythropoietin receptor activity; identical protein binding; protein binding;receptor activity; transmembrane signaling receptor activity
Dimeric statesof te EPO receptor 1CN4,1EBP,1ERN	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA