

EPOR, 25-250aa, Human, His-tag, Baculovirus (Bioactivity Validated)

Cat.NO.: TP02037

3th Edition

Synonyms:Erythropoietin receptor, EPO-R, EPOR

Description:EPOR, also known as Erythropoietin receptor, mediates erythropoietin-induced erythroblast proliferation and differentiation. Upon EPO stimulation, it dimerizes triggering the JAK2/STAT5 signaling cascade. In some cell types, can also activate STAT1 and STAT3. So it may also activate the LYN tyrosine kinase. Recombinant human EPOR, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:25.6kDa (232aa), 28-40kDa (SDS-PAGE under reducing conditions)

Sequences:

APPPNLPDPKFESKAALLAARGPEELLCFTEILEDLVCFWEEAASAGVGPNGNYSFSYQLEDEPWKLCRLHQAPTA
RGAVRFWC SLPTADTSSFVPLELRVTAASGAPRYHRVIHINEVLLDAPVGLVARLADESGHVVLRWLPPPETPMT
SHIRYEVDVSAGNGAGSVQRVEILEGRTECVLSNLRGRTRYTFAVRRARMAEPSFGGFWSAWSEPVSLLTPSDLDP
HHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.