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EPO, 28-193aa, Human, His tag, E.coli

产品货号: TP02035

第三版

别名:Erythropoietin, EP

描述:Erythropoietin, also known as EPO, is a member of the EPO/TPO family and encodes a secreted, glycosylated cytokine hormone 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. Overexpression of EPO is associated with several pathophysiological conditions, such as polycythemia vera, which is caused by the EPO-independent growth of erythrocytic progenitors from abnormal stem cells. Recombinant human EPO protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

分子量:20.9 kDa (189aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSAPPRLICDSRVLERYLLEAKEAENITTGCAEHCSLNENITVPDTKVNIFYAWKRMEV
GQQAVEVWQGLALLSEAVLRGQALLVNSSQPWEPLQLHVDKAVSGLRSLTLLRALRAQKEAISPDAASAAPLRTITADT
FRKLFVYSNFLRGKCLKLYTGEACRTGDR

纯度:> 95% by HPLC

浓度:1 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.