

Recombinant human EPO protein ab215737

1 References

製品の詳細

製品名	Recombinant human EPO protein
生理活性	Determined by a cell proliferation assay using TF-1 cells. The expected ED ₅₀ for this effect is 0.8-1.0 ng/ml.
精製度	> 90 % SDS-PAGE. >90% by HPLC.
発現系	CHO cells
アクセッション番号	<u>P01588</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	APPRLICDSRVLERYLLEAKEAENITTGCAEHCSLNENITVP DTKVNFYA WKRMEVGQQAVEVWQGLALLSEAVLRGQALLVNSSQPWEPLQ LHVDKAVS GLRSLTLLRALGAQKEAISPDAASAAPLRTITADTFRKLF RVYSNFLR GKLKLYTGEACRTGDR
予測される分子量	18 kDa
領域	28 to 193
配列の追加情報	This product is the mature full length protein from aa 28 to 193. The signal peptide is not included.

特性

Our **Abpromise guarantee** covers the use of **ab215737** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Functional Studies
	HPLC
	SDS-PAGE
製品の状態	Lyophilized
備考	As a result of glycosylation, Recombinant Human EPO migrates with an apparent molecular mass

of 37.0 kDa by SDS-PAGE gel, under reducing and non-reducing conditions.

前処理および保存

保存方法および安定性

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C.

Constituent: 0.16% Sodium phosphate

This product is an active protein and may elicit a biological response in vivo, handle with caution.

再構成

Centrifuge vial prior to opening. Reconstitute in water to 0.1-1.0 mg/ml. Do not vortex. Store at 2°C to 8°C for 1 week, or prepare for extended storage.

関連情報

関連性

Human erythropoietin is 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. This protein also has neuroprotective activity against a variety of potential brain injuries and antiapoptotic functions in several tissue types. It is produced by kidney or liver of adult mammals and by liver of fetal or neonatal mammals.

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