

RPPB0189

Product Information Protein Information

Product SKU:

RPPB0189

Accession:

P01588

Host:

HEK.

Protein description:

EPO-a Human Recombinant produced in HEK cells is a glycosylated monomer, having a total molecular weight of 36kDa. The EPO-alpha is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Erythropoietin-Alpha, EPO-a, EPO-alpha, Epoetin, EP, MGC138142.

Formulation:

The EPO-alpha was lyophilized from 1mg/ml in 1xPBS.

Purity:

Greater than 95% as observed by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized EPO-alpha in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized EPO-alpha although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EPO-alpha should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Biological Activity:

The specific activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) and is typically 0.5-2.5ng/ml, corresponding to a specific activity of 400,000-2,000,000 units/mg.