

Erythropoietin-Alpha Fc-Chimera Human Recombinant

Item Number	rAP-2184
Synonyms	EPO-a, EPO-alpha, Epoetin, EP, MGC138142.
Description	Erythropoietin-alpha Fc-Chimera Human Recombinant is produced in Chinese hamster ovary (CHO) cells by recombinant DNA technology is a dimeric, glycosylated, polypeptide chain consisting of two mature human EPO molecules linked to the Fc portion of human IgG1. The Fc component contains the CH2 domain,
Uniprot Accession Number	P01588
Amino Acid Sequence	
Source	Chinese Hamster Ovary Cells(CHO).
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Erythropoietin-a 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.
Formulation and Purity	Each mg of lyophilized powder contains 1x PBS pH-7.4. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Erythropoietin in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose-dependent stimulation of human megakaryoblastic leukemia cells is less than 2.0 ng/ml, corresponding to a Specific Activity of 5.0 x 10 ⁵ IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**