



Recombinant EPO-a, Fc/Chimera

Datasheet

Catalog Number: PR27064

Product Type: Recombinant Protein

Source: Chinese Hamster Ovary Cells (CHO)

Description/Molecular Mass: 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, the CH3 domain and hinge region, but not the CH1 domain of IgG1. As a result of glycosylation, the recombinant protein migrates with an apparent molecular mass of 140 kDa in non-reducing SDS-PAGE. EPO- α Fc/Chimera is purified by proprietary chromatographic techniques.

Biological Activity: The ED₅₀ as determined by the dose-dependant stimulation of human megakaryoblastic leukemia cells is less than 2.0 ng/ml, corresponding to a Specific Activity of 5.0 x 10⁵ IU/mg.

Purity: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Format: Lyophilized powder contains 1x PBS pH-7.4

Reconstitution: It is recommended to reconstitute the lyophilized Epoetin-a Fc/Chimera protein in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Storage: Lyophilized Granulocyte Colony Stimulating Factor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution G-CSF 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 avoid freeze-thaw cycles.

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www.neuromics.com

Neuromics Antibodies • 5325 West 74th Street, Suite 8 • Edina, MN 55439
phone 866-350-1500 • fax 612-677-3976 • e-mail pshuster@neuromics1.com