Epo
Recombinant Mouse Erythropoietin/Fc Chimera

Catalog No.	CS453A CS453B	**Quantity:**	100 µg 1 mg

Description: Erythropoietin (EPO) is a glycoprotein hormone related to Thrombopoietin which stimulates erythrocyte formation by inhibiting apoptosis of early erythroid precursors. Mouse EPO (Ala27-Arg192) is expressed recombinantly, purified by chromatography, sterile filtered and lyophilized. >95 percent pure by SDS-PAGE and biologically active as measured in a proliferation assay with human TF-1 erythroleukemia cells. The ED_{50} for this activity is typically < 5 ng/ml. Add deionized water to original volume, aliquot and freeze unused portion.

The Fc Fusion Protein is glycosylated and expressed as a chimera with the Fc region of mouse immunoglobulin (heavy chain hinge, CH2 and CH3). Fc fusion proteins are typically more stable and resistant to degradation and clearance than native cytokines. Fc fusion proteins appear as a dimer in SDS-PAGE under non-reducing conditions.

Concentration: Lyophilized

Gene ID: 13856

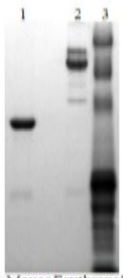
Molecular Weight: 48.7 kDa

Formulation: Lyophilized from a 0.5 ml solution of PBS

Purity: >95% by SDS-PAGE analysis

Specific Activity: ED_{50} < 5 ng/ml as determined in a cell proliferation assay using human TF-1 erythroleukemia cells.

Storage & Stability: When stored at -80°C, product is stable for 3 years from date of delivery. **Avoid repeated freeze-thaw cycles.**



1. Mouse Erythropoietin Fc Fusion (3 ug) R
2. Mouse Erythropoietin Fc Fusion (3 ug) NR
3. Molecular Weight Markers

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