

Recombinant Mouse EPO Receptor/EPOR Protein (His Tag)

RPES5179

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES5179

Purity: > 95 % as determined by reducing SDS-PAGE.

Contents: 100µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Mouse

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: Epor

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: 1. Measured by its ability to inhibit EPO-dependent proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is typically 0.1-0.5 µg/mL in the presence of 16 ng/mL Recombinant mouse EPO. 2. Immobilized mouse EPOR-His at 10µg/mL (100µL/well) can bind biotinylated mouse EPO-His. The EC50 of biotinylated mouse EPO-His is 34. 5-80.6ng/mL.

Calculated MW: 26.2 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 30-35 kDa

Reconstitution: Please refer to the printed manual for detailed information.

Accession: NP_034279.3

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Mouse EPO Receptor/EPOR protein Met 1-Pro 249, with an C- terminal His

Sequence: Met 1-Pro 249

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder