



Recombinant Protein Technical Manual

Recombinant Human Erythropoietin R/EPOR Protein (His Tag) RPES2856

Product Data:

Product SKU: RPES2856

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P19235

Protein Information:

Molecular Mass: 28.4 kDa

AP Molecular Mass: 28-38 kDa

Tag: C-His

Bio-activity:

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

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

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

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

Application:

Synonyms: EpoR; EPO-R; Erythropoietin R; erythropoietin receptor; MGC138358; Platelet Receptor EPO-R

Immunogen Information:

Sequence: Ala25-Pro250

Background:

Erythropoietin (Epo), a glycoprotein produced primarily by the kidney, is the principal factor that regulates erythropoiesis by stimulating the proliferation and differentiation of erythroid progenitor cells. The biological effects of Epo are mediated by the erythropoietin receptor (Epo R). The presence of a soluble form of the Epo R has also been detected on human sera. Recombinant soluble Epo R binds Epo with high affinity and is a potent Epo antagonist.