PRODUCT INFORMATION

Target	EPO
Synonyms	EP, DBAL, ECYT5, MVCD2
Description	Recombinant human EPO Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P01588
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	EPO(Ala28-Arg193) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 44.5 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a secreted, glycosylated cytokine composed of four alpha helical bundles. The encoded protein is mainly synthesized in the kidney, secreted into the blood plasma, and binds to the erythropoietin receptor to promote red blood cell production, or erythropoiesis, in the bone marrow. Expression of this gene is upregulated under hypoxic conditions, in turn leading to increased erythropoiesis and enhanced oxygen-carrying capacity of the blood. Expression of this gene has also been observed in brain and in the eye, and elevated expression levels have been observed in diabetic retinopathy and ocular hypertension. Recombinant forms of the encoded protein exhibit neuroprotective activity against a variety of potential brain injuries, as well as antiapoptotic functions in several tissue types, and have been used in the treatment of anemia and to enhance the efficacy of cancer therapies. [provided by RefSeq, Aug 2017]
Usage	Research use only
Conjugate	Unconjugated

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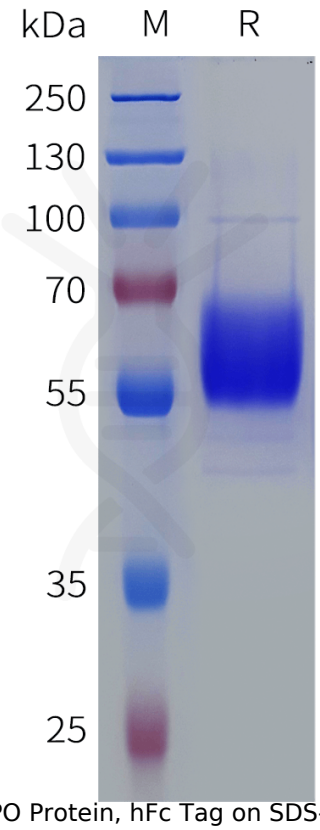

Figure 1. Human EPO Protein, hFc Tag on SDS-PAGE under reducing condition.

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