Cat. No. PME101863



PRODUCT INFORMATION

Target FPO

Synonyms EP, DBAL, ECYT5, MVCD2

Recombinant human EPO Protein with C-terminal Description

human Fc tag

Delivery In Stock **Uniprot ID** P01588 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Purity

Background

EPO(Ala28-Arg193) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 44.5 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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]

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Usage Research use only

Conjugate Unconjugated





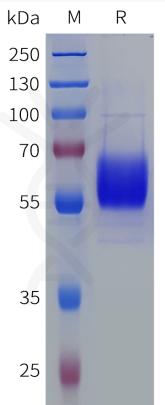


Figure 1. Human EPO Protein, hFc Tag on SDS-PAGE under reducing condition.



