

Recombinant Human THPO protein (rFc Tag)

Catalog Number: Eg2941

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Human THPO protein Ser22-Gly353 (Accession# P40225-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

7066

Accession:

P40225-1

Predicted Molecular Mass:

61.0 kDa

SDS-PAGE:**Formulation:**

Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Thrombopoietin (TPO) is a primary regulator of megakaryocyte development and platelet production in mammals. Human TPO constitutively circulates and maintains thrombopoiesis through interaction with its cognate receptor, myeloproliferative leukemia protein (MPL). TPO also plays an important role in the maintenance and regulation of hematopoietic stem cells (HSCs). Germline mutations of THPO were reported as causes of hereditary thrombocythemia.

References

1. Kuter, David J. International journal of hematology vol. 98,1 (2013): 10-23.
2. Kimura, Hiroyuki et al. Experimental hematology vol. 134 (2024): 104208.
3. Kaushansky, K. Journal of thrombosis and haemostasis : JTH vol. 1,7 (2003): 1587-92.
4. Decker, Matthew et al. Science (New York, N.Y.) vol. 360,6384 (2018): 106-110.

Synonyms

Selected Validation Data

For technical support and original validation data for this product please contact

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.