

Recombinant Porcine MPL Protein, His-tagged

Cat. No. MPL-11153P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Porcine Thrombopoietin R Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Val 21 - Thr 488 (Accession # K7GPS1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Val 21
Species	Porcine
Source	HEK293
ProteinLength	21-488 aa
Description	Thrombopoietin R, also known as TPO-R, is expressed predominantly on the surface of MKs, platelets, hemangioblasts, and hematopoietic stem cells (HSCs). Binding of TPO to the megakaryocyte TPO-R leads to different effects: prevention of megakaryocyte apoptosis; increased megakaryocyte number, size, and ploidy; increasing rate of megakaryocyte maturation; and internalization of the TPO/TPO-R complex. Thrombopoietin R involved in multiple signal transduction pathways, such as JAK, STAT, and MAP kinase.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 54.6 kDa. The protein migrates as 65 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name MPL MPL proto-oncogene, thrombopoietin receptor [*Sus scrofa* (pig)]

Official Symbol MPL

Synonyms MPL; MPL proto-oncogene, thrombopoietin receptor; thrombopoietin receptor; myeloproliferative leukemia virus oncogene

Gene ID 100626347

mRNA Refseq XM_013999453

Protein Refseq XP_013854907

UniProt ID K7GPS1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA