

Specifications:

Gene:	<i>h</i> MPL
Accession:	NP_005364
Insert size:	1921bp
Concentration:	10µg at 0.2µg/µL

*h*Thrombopoietin R cDNA Plasmid

MPL MPL proto-oncogene,
thrombopoietin receptor [*Homo sapiens* (human)]

Also known as: MPLV; TPOR; C-MPL; CD110; THCYT2

Summary:

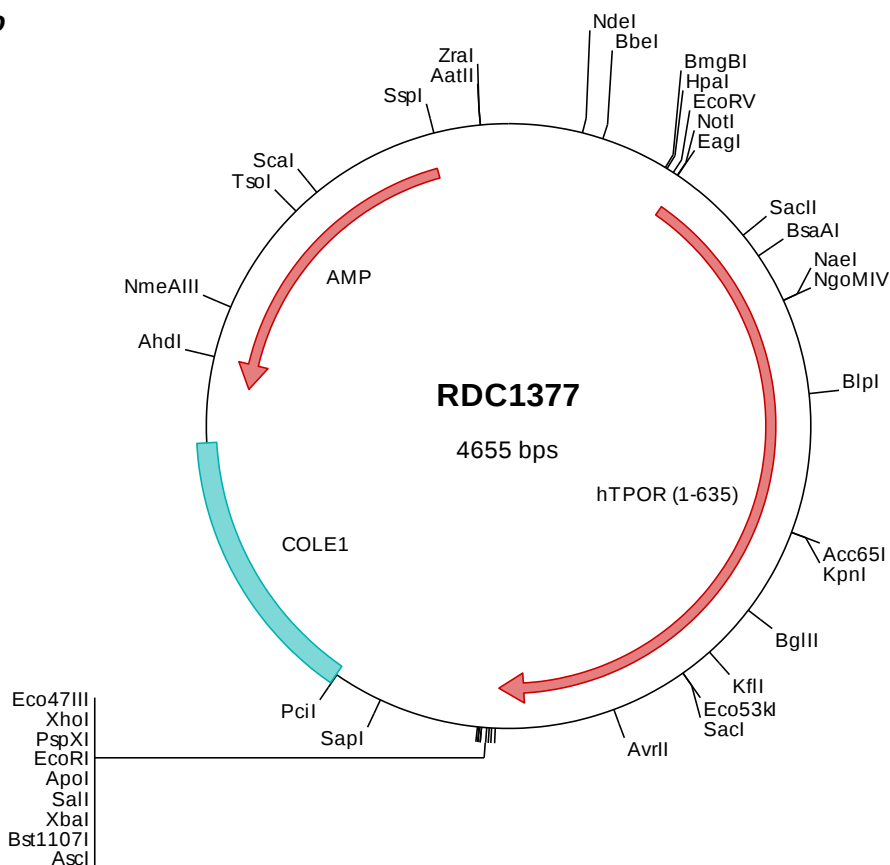
TPOR is a transmembrane receptor for thrombopoietin (Tpo) and is a member of the type I cytokine receptor family within the hematopoietin/cytokine receptor superfamily. Thrombopoietin is a key regulator of megakaryocytopoiesis, thrombopoiesis and hematopoietic stem cell self-renewal, as reflected by expression of the TPOR on megakaryocytes, platelets and hematopoietic progenitors. Receptor dimerization occurs upon Tpo binding and initiates signaling through the Ras/MAP and JAK/STAT pathways. Defects in the TPOR signaling pathway are associated with a variety of platelet disorders.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1377 Plasmid DNA Sequence

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> RDC1377 Translated Insert Sequence

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