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TPO

Catalog # PVGS1414

Product Information

Primary Accession	P49745
Species	Rat
Sequence	SPVPPACDPR LLNKLLRDSY LLHSRLSQCP DVNPLSIPVL LPAVDFSLGE WKTQTEQSKA QDILGAVSLL LEGVMAARGQ LEPSCLSSLL GQLSGQVRLL LGALQGLLGT QLPPQGRTTA HKDPSALFLS LQQLLRGKVR FLLLVEGPAL CVRRTLPTTA VPSRTSQLLT LNKFHHHHHH
Purity	> 98% as analyzed by SDS-PAGE.
Endotoxin Level	
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH_2O or PBS at 100 g/ml.

Additional Information

Gene ID	81811
Other Names	Thrombopoietin, Thpo
Target Background	Thrombopoietin (TPO), also known as c-Mpl ligand, MGDF and THOP, is a glycoprotein hormone belonging to the EPO/TPO family. It is expressed mainly in the liver, kidney and skeletal muscle. TPO binds and signals through c-Mpl receptor. It stimulates the proliferation and maturation of megakaryocytes from their committed progenitor cells, and it regulates the production and circulation of platelets. TPO has also been reported to promote apoptosis of hypoxia-sensitized neurons and to inhibit neuronal differentiation. Recombinant Rat Thrombopoietin(TPO), His, produced in CHO cells is a polypeptide chain containing 174 amino acids. A fully biologically active molecule, rrTPO has a molecular mass of 22 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at .

Protein Information

Name	Thpo
Function	Lineage-specific cytokine affecting the proliferation and maturation of megakaryocytes from their committed progenitor cells. It acts at a late stage of megakaryocyte development. It may be the major physiological regulator of circulating platelets.

Cellular Location Secreted {ECO:0000250|UniProtKB:P40225}.

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