

Product Datasheet

Recombinant TPO, His, Rat (orb1494663)

Description	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 GenScript.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant Rat Thrombopoietin remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Rat Thrombopoietin should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH ₂ O or PBS at 100 μg/ml.
Protein Sequence	SPVPPACDPRLLNKLLRDSYLLHSRLSQCPDVNPLSIPVLLPAVDFSLGEWKTQTEQSKAQD ILGAVSLLLEGVMAARGQ LEPSCLSLLGQLSGQVRLLLGALQGLLGTQLPPQGRTTAHKDPSALFLSLQQLLRGKVRFL LLVEGPALCVRRTLPTTA VPSRTSQQLLTLNKFHHHHHH
Purity	> 98% as analyzed by SDS-PAGE.
Source	CHO
MW	22 kDa, observed by reducing SDS-PAGE.

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Expiration Date

6 months from date of receipt.

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