

32-8566: Recombinant Human Thrombopoietin/TPO (N, C-6His)

Gene : THPO
Gene ID : 7066
Uniprot ID : P40225

Description

Source: Human Cells.
MW :37.3kD.

Recombinant Human Thrombopoietin is produced by our Mammalian expression system and the target gene encoding Ser22-Gly353 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus. Thrombopoietin (TPO) is a glycoprotein hormone which belongs to the EPO/TPO family. It produced by the liver and kidney which regulates the production of platelets. TPO stimulates the production and differentiation of megakaryocytes, the bone marrow cells that bud off large numbers of platelets. Lineage-specific cytokine affects 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.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH 8.0.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : HHHHHHSPAPPACDLRVLSKLLRDSHVLHSRLSQCPEVHPLPTPVLLPAVDFSLGEWKTQMEETKAQDILGAV
TLLLEGVMAARGQLGPTCLSSLLGQLSGQVRLLLGALQSLLGTQLPPQGRRTAHKDPNAIFLSFQHLLRGKVRF
LMLVGGSTLCVRRAPPTTAVPSRTSLVLTNLNLPNRTSGLLETNFTASARTTGSGLLKWQQGFRAKIPGLLNQTS
RSLDQIPGYLNRIHELLNGTRGLFPGPSRRTLGA PDISSGTS DTGSLPPNLQPGYSPSPHTPPTGQYTLFPLPPTL
PTPVVQLHPLLPDPSAPTPTPTSPLLNTSYTHSQNLSQEGVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.