

32-8803: Recombinant Mouse Thrombopoietin/THPO/TPO (N-6His)

Gene : Thpo
Gene ID : 21832
Uniprot ID : P40226

Description

Source: Human Cells.
MW :36.4kD.

Recombinant Mouse Thrombopoietin is produced by our expression system and the target gene encoding Ser22^ÅThr356 is expressed with a 6His tag at the N-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. Mature mouse Tpo shares 71% and 81% aa sequence homology with human and rat Tpo, respectively. It is an 80-85 kDa protein that consists of an N-terminal domain with homology to Erythropoietin (Epo) and a C-terminal domain that contains multiple N-linked and O-linked glycosylation sites. 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 PBS, pH7.4.
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 : HHHHHHSPVAPACDPRLLNKLLRDSHLLHSRLSQCPDVPDPLSIPVLLPAVDVDFSLGEWKTQTEQSKAQDILGAVS
LLEGVMAARGQLEPSCLLSLLGQLSGQVRLLLGALQGLLGTQLPLQGRTTAHKDPNALFLSLQQLLRGKVRFL
LLEGP TLCVRRRLPTTAVPSSTSQLLLNKFNPRTSGLLETNFSVTARTAGPGLLSRLQGFRVKITPGQLNQTSR
SPVQISGYLNRTHGPNVNGTHGLFAGTSLQTLEASDISPGAFNKGSLAFNLQGGLPPSPSLAPDGHTPPFPSPALP
TTHGSPQLHPLFPDPSTTMPNSTAPHPVTMYPHPRNLSQET

Application Note

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