

## 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 Ser22-356 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 :** HHHHHHSPVAPACDPRLNKLRLSHLLHSRLSQCPDVPDPLSIPVLLPAVDVDFSLGEWKTQTEQSKAQDILGAVS  
LLEGVMAARGQLEPSCLLSLLGQLSGQVRLLLGALQGLLGTQLPLQGRTTAHKDPNALFLSLQQLLRGKVRFL  
LLEVGPTLCVRRRLPTTAVPSSTSQLLTNLKFPNRTSGLLETNFSVTARTAGPGLLSRLQGFRVKITPGQLNQTSR  
SPVQISGYLNRTHGPNVNGTHGLFAGTSLQTEASDISPGAFNKGSLAFNLQGGLPPSPSLAPDGHTPFPPSPALP  
TTHGSPQLHPLFPDPSTTMPNSTAPHPVTMYPHPRNLSQET

### Application Note

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