

Product datasheet for **TP727702**

Thpo Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Thrombopoietin/THPO/TPO (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ser22-Thr356
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Thrombopoietin is produced by our Mammalian expression system and the target gene encoding Ser22 [^] Thr356 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	21832
UniProt ID:	P40226
Summary:	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.



[View online »](#)