



# Recombinant Dog Thrombopoietin (THPO)

<b>Product Code</b>	CSB-BP023509DO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P42705
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Canis lupus familiaris (Dog) (Canis familiaris)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	APPACDP RLLNKMLRDS HVLHSRLSQC PDIYPLSTPV LLPAVDFSLG EWKTQKEQTK AQDVWGAVAL LLDGVLAARG QLGPSCLSSL LGQLSGQVRL LLGALQGLLG TQLPPQGRRT THKDPNAIFL SFQQLLRGKV RLLLLVAGPT LCAKQSQPTT AVPTNTSLFL TLRKLPNRTS GLLTNSSIS ARTTGSGLLK RLQGFRKIP GLLNQTSRSL NQTPGHLSRT HGPLNGTHGL LPGLSLTALG APDIPPGTSD MDALPPNLWP RYSPSPIHPP PGQYTLFSPL PTSPTPQNPL QPPPPDPSAT ANSTSPLLIA AHPHFQNLQSQ EE
<b>Source</b>	Baculovirus
<b>Target Names</b>	THPO
<b>Protein Names</b>	Recommended name: Thrombopoietin Alternative name(s): C-MPL ligand Short name= ML Megakaryocyte colony-stimulating factor Megakaryocyte growth and development factor Short name= MGDF
<b>Expression Region</b>	24-352
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	Megakaryocytopoiesis is the cellular development process that leads to platelet production. This protein is a humoral growth factor that is necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. This protein is the ligand for MLP/C_MPL, the product of myeloproliferative leukemia virus oncogene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.