

TPO-R recombinant protein

TPO-R Protein, Mouse, Recombinant (His Tag), HPLC-verified

CATALOG #
AAA259277

HOST
HEK293 Cells

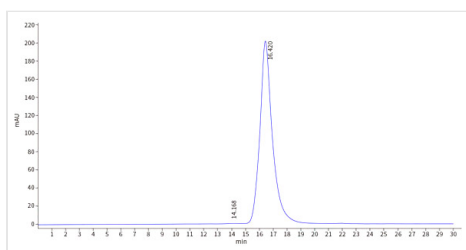
PRODUCT SYNONYMS

TPO-R; TPO-R Protein; Mouse; Recombinant (His Tag); HPLC-verified; MPL proto-oncogene; thrombopoietin receptor; c-mpl Protein; CD110 Protein; hlb219 Protein; TPO-R recombinant protein

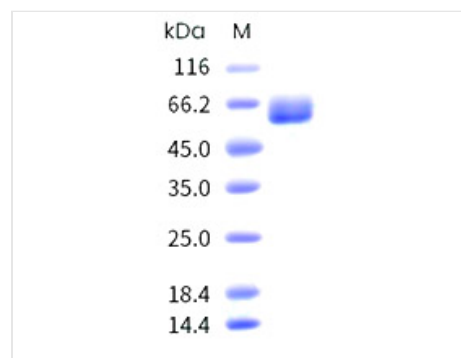
PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>= 95% as determined by SDS-PAGE. = 95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Species	Mouse
Predicted N Terminal	Gln 26
Endotoxin	<1.0 EU per ug protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Mouse MPL (Q08351-1)(Met1-Trp482) was expressed with a polyhistidine tag at the C-terminus.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for TPO-R recombinant protein	CD11, also known as c-MPL, is a 635 amino acid transmembrane domain, with two extracellular cytokine receptor domains and two intracellular cytokine receptor box motifs. It is expressed at a low level in a large number of cells of hematopoietic origin. C-MPL is homologous with members of the hematopoietic receptor superfamily. The presence of anti-sense oligodeoxynucleotides of C-Mpl inhibited megakaryocyte colony formation. Thrombopoietin is the ligand for C-Mpl. It was shown to be the major regulator of megakaryocytopoiesis and platelet formation. Defects in c-MPL are a cause of congenital amegakaryocytic thrombocytopenia which is a disease characterized by isolated thrombocytopenia and Megakaryocytopenia with no physical anomalies. Defects in c-MPL also cause thrombocythemia type 2 and myelofibrosis with myeloid metaplasia.
References	Vigon I., et al.,(1992), Molecular cloning and characterization of MPL, the human homolog of the v-mpl oncogene: identification of a member of the hematopoietic growth factor receptor superfamily. Proc. Natl. Acad. Sci. U.S.A. 89:5640-5644. Mignotte V., et al., (1994), Structure and transcription of the human c-mpl gene (MPL).Genomics 20:5-12.Gregory S.G., et al.,(2006), The DNA sequence and biological annotation of human chromosome 1.Nature 441:315-321.

NCBI AND UNIPROT INFORMATION

NCBI GI #	171846242
NCBI GeneID	17480
NCBI Accession #	NP_001116421.1
NCBI GenBank Nucleotide #	NM_001122949.2
UniProt Accession #	Q08351; Q8BRX0; A6H8H6
Molecular Weight	69,788 Da
NCBI Official Full Name	thrombopoietin receptor isoform 1
NCBI Official Synonym Full Names	myeloproliferative leukemia virus oncogene
NCBI Official Symbol	Mpl
NCBI Official Synonym Symbols	CD110; TPO-R; c-mpl; hlb219
NCBI Protein Information	thrombopoietin receptor
UniProt Protein Name	Thrombopoietin receptor
UniProt Gene Name	Mpl
UniProt Synonym Gene Names	Tpor; TPO-R
UniProt Entry Name	TPOR_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.