

C-MPL Protein, Rat (HEK293, Fc)

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| Cat. No.: | HY-P74244 |
| Synonyms: | CD110; c-Mpl; MPL; MPLV; Thrombopoietin R; TPO-R |
| Species: | Rat |
| Source: | HEK293 |
| Accession: | XP_001072502.1 (Q22-A500) |
| Gene ID: | 366455 |
| Molecular Weight: | Approximately 80.7 kDa |

PROPERTIES

AA Sequence

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|---------------------|---------------------|---------------------|---------------------|
| Q V T S Q D V F L L | A L G T E P L N C F | S Q T F E D L T C F | W D E E E A A P S W |
| I Y Q L L Y A Y P G | E K P R P C P L H S | Q S V P T F G T R Y | V C Q F P A L D E V |
| R L F F P L H L W V | K N V F L N Q T L M | Q R V L F V D T V G | L P A P P S V I K A |
| R G G S Q P G E L Q | I H W E A P A P E I | S N F L R H E L R Y | G P T D S S N A T A |
| P S V I Q L L S T E | T C C P T L R M P N | P V R V L D Q H P C | V H P T A S Q Q H G |
| P M R T S P A G E A | P S L A V K G G S C | L I S G L H A G Q S | Y W L Q L R S Q P D |
| G V S L R G S W G P | W S L P V T V D L P | G D A V A I G L Q C | F T V D L K K V I C |
| Q W Q Q Q D H S S S | R G F F R H S R T R | C C P T D R D P T W | E K C E E E E E E E |
| E E E K E E G E L D | P G S R P A L F S R | C H F K S R N D S V | I H I L V E V T T A |
| Q G A I H S Y L G S | P F W I R Q A V L L | P T P S L H W R E I | S S G R L E L E W Q |
| H P S P W A A Q E T | C Y Q L R Y T G E G | H E D W K V L E P S | L G A Q G G T L E L |
| R P R A R Y S L Q L | R A R L N G P T Y Q | G P W S A W S P P A | R V S T G S E T A |

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O.

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

The thrombopoietin receptor, also known as myeloproliferative leukemia protein or CD110 (differentiated cluster 110), is a protein encoded in humans by the myeloproliferative leukemia virus oncogene. C-MPL can activate thrombopoietin receptors, participate in bone marrow cell homeostasis, and platelet aggregation and actively regulate the process of platelet formation. C-MPL is involved in the phosphorylation of < B.AK /STAT/MAPK family proteins. C-MPL is a biomarker for thrombocytopenia^{[1][2][3]}.

Caution: Product has not been fully validated for medical applications. For research use only.

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