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Datasheet for ABIN7275277

## MPL Protein (AA 26-482) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	MPL
Protein Characteristics:	AA 26-482
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MPL protein is labelled with His tag.

#### Product Details

Purpose:	Mouse c-MPL/Thrombopoietin R Protein
Sequence:	Gln26-Trp482
Characteristics:	Recombinant Mouse c-MPL/Thrombopoietin R Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gln26-Trp482.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	MPL
Alternative Name:	c-MPL ( <a href="#">MPL Products</a> )

## Target Details

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**Background:** The c-mpl gene encodes a member of the hematopoietic cytokine receptor superfamily. This gene was discovered through the study of a murine retrovirus which induces an acute myeloproliferative syndrome in mice. MPLV (for myeloproliferative leukemia virus) has transduced a truncated and constitutively activated form of the c-mpl receptor chain. High levels of c-mpl expression were detected in 45 % of acute myeloid leukemia (AML). No correlation was found between c-mpl expression and the French-American-British classification subtype of AML.

**Molecular Weight:** 52.3 kDa. Due to glycosylation, the protein migrates to 65-70 kDa based on Tris-Bis PAGE result.

**Pathways:** [JAK-STAT Signaling](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

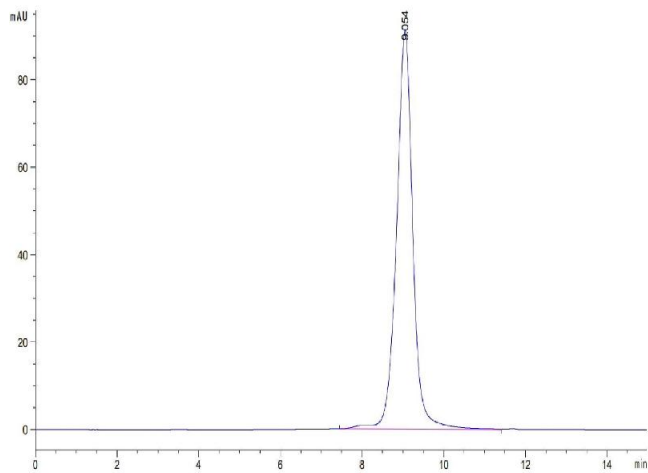
**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

**Buffer:** Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

**Storage:** -20 °C,-80 °C

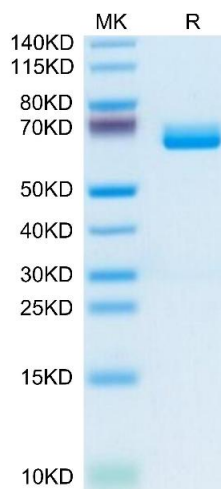
**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Expiry Date:** 12 months



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Mouse c-MPL/Thrombopoietin R is greater than 95 % as determined by SEC-HPLC.



### SDS-PAGE

**Image 2.** Mouse c-MPL/Thrombopoietin R on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .