

## Recombinant Human MPL Protein (26-491 aa), His-tagged

**Cat. No.** MPL-661H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MPL Protein (26-491 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Immunology. Protein Description: Partial.                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 26-491 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Receptor for thrombopoietin. May represent a regulatory molecule specific for TPO-R-dependent immune responses.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 56.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | <p>QDVSLASDSEPLKCFSTRFEDLTCFWDEEEAAPSGTYQLLYAYPREKPRACPLSS</p> <p>QSMPHFGTRYVCQFPDQEEVRLFFPLHLWVKNVFLNQTRTQRVLFVDSVGLPAPPS</p> <p>I IKAMGGSQPGELQISWEEPAPEISDFLRYELRYGPRDPKNSTGPTVIQLIATETCCP</p> <p>ALQRPHSASALDQSPCAQPTMPWQDGPQKQTSPSREASALTAEGGSCLISGLQPGN</p> <p>SYWLQLRSEPDGISLGGSWGSWSLPVTVDLPGDAVALGLQCFTLDLKNVTCQWQQ</p> <p>QDHASSQGFFYHSRARCCPRDRYPIWENCEEEEEKTNPGLQTPQFSRCHFKSRNDS</p> <p>I IHILVEVTTAPGTVHSYLGSPFWIHQAVRLPTPNLHWREISSGHLELEWQHPSSWAA</p> <p>QETCYQLRYTGEHGDWKVLEPLGARGGTLELRPRSRYLQLRLRNLNGPTYQGP</p> |

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|                      |                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | WSSWSDPTRVETATETAW                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>        | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA with concentration instruction is sent along with the products.                                                                                                                                                                                                                                   |

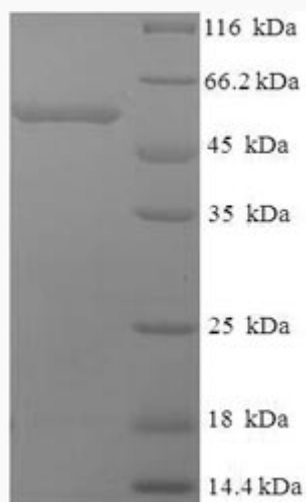
## GENE INFORMATION

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| <b>Gene Name</b>       | MPL myeloproliferative leukemia virus oncogene [ Homo sapiens ] |
| <b>Official Symbol</b> | MPL                                                             |
| <b>Synonyms</b>        | MPL; CD110; TPOR; TPO-R; MPLV; C-MPL; THCYT2;                   |
| <b>Gene ID</b>         | 4352                                                            |
| <b>mRNA Refseq</b>     | NM_005373                                                       |
| <b>Protein Refseq</b>  | NP_005364                                                       |
| <b>MIM</b>             | 159530                                                          |
| <b>UniProt ID</b>      | P40238                                                          |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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