# Human MSPR/Ron Protein

**Cat. No.** RON-HM101

## Description

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| **Source** | Recombinant Human MSPR/Ron Protein is expressed from HEK293 with His tag at the C-Terminus. |
| | It contains Glu25-Leu571. |
| **Accession** | CAA49634.1 |
| **Molecular Weight** | The protein has a predicted MW of 59.71 kDa. Due to furin cleavage, the protein migrates to 70-80 kDa (full length) and 40-50 kDa (alpha chain) and 35-40 kDa (partial beta chain) based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |

## Formulation and Storage

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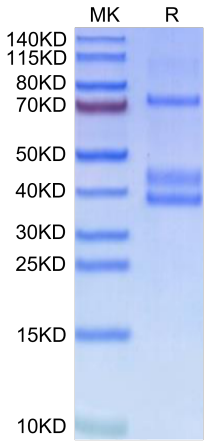
| **Formulation** | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Macrophage-stimulating protein (MSP) is a serum protein belonging to the plasminogen-related growth factor family. The specific receptor for MSP is the RON (recepteur d'origine nantais) receptor tyrosine kinase - a member of the MET proto-oncogene family. Activation of RON by MSP exerts dual functions on macrophages.

## Assay Data

**Bis-Tris PAGE**




Human MSPR on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.