

# Human MSR1 Protein

Cat. No. MSR-HM201



## Description

|                         |                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Source</b>           | Recombinant Human MSR1 Protein is expressed from HEK293 with hFc (IgG1) tag at the N-terminus.                                       |
|                         | It contains Lys77-Leu451.                                                                                                            |
| <b>Accession</b>        | P21757-1                                                                                                                             |
| <b>Molecular Weight</b> | The protein has a predicted MW of 67.24 kDa. Due to glycosylation, the protein migrates to 95-125 kDa based on Bis-Tris PAGE result. |
| <b>Endotoxin</b>        | Less than 1 EU per µg by the LAL method.                                                                                             |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE                                                                                                 |

## Formulation and Storage

|                       |                                                                                                                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Formulation</b>    | Lyophilized from 0.22 µm filtered solution in PBS, 200mM L-Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                                       |
| <b>Reconstitution</b> | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.                                                                                             |
| <b>Storage</b>        | -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

The macrophage scavenger receptor 1 (Msr1, also called SRA) is a pattern recognition receptor primarily expressed on myeloid cells, which plays an important role in the maintenance of immune homeostasis. Msr1 promotes the pathogenesis of virus-induced FH by enhancing induction of neutrophil NETosis and subsequent complement activation. Targeting Msr1 may be employed as a new immunotherapeutic strategy for FH.

## Assay Data

### Bis-Tris PAGE



Human MSR1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.