# Recombinant Human MASP2 protein, His-tagged

**Cat. No.** MASP2-46H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human MASP2 fused with His tag was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | The Ra-reactive factor (RARF) is a complement-dependent bactericidal factor that binds to the Ra and R2 polysaccharides expressed by certain enterobacteria. Alternate splicing of this gene results in two transcript variants encoding two RARF components that are involved in the mannan-binding lectin pathway of complement activation. The longer isoform is cleaved into two chains which form a heterodimer linked by a disulfide bond. |
| **Form** | Lyophilized from PBS, pH 7.4, 5% trehalose, 0.01% sarcosyl |
| **Molecular Mass** | 15.8 kDa |
| **Purity** | Greater than 95% |
| **Storage** | Store at +4 centigrade for up to 1 month, or aliquot and store at -80 centigrade for up to 12 months. Avoid repeat freeze-thaw cycles. |

## GENE INFORMATION

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| **Gene Name** | MASP2 mannan-binding lectin serine peptidase 2 [ Homo sapiens ] |

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| **Official Symbol** | MASP2 |
| **Synonyms** | MASP2; mannan-binding lectin serine peptidase 2; mannan binding lectin serine peptidase 1 pseudogene 1 , mannan binding lectin serine protease 1 pseudogene 1 , mannan binding lectin serine protease 2 , MASP1P1; mannan-binding lectin serine protease 2; small MBL-associated protein; MBL-associated serine protease 2; MBL-associated plasma protein of 19 kD; mannan-binding lectin serine protease 1 pseudogene 1; mannose-binding protein-associated serine protease 2; mannan-binding lectin serine peptidase 1 pseudogene 1; sMAP; MAP19; MASP-2; MASP1P1; |
| **Gene ID** | 10747 |
| **mRNA Refseq** | NM_006610 |
| **Protein Refseq** | NP_006601 |
| **MIM** | 605102 |
| **UniProt ID** | O00187 |
| **Chromosome Location** | 1p36.3-p36.2 |
| **Pathway** | Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem; |
| **Function** | calcium ion binding; calcium-dependent protein binding; peptidase activity; protein |

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| | binding; serine-type endopeptidase activity; |

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