

Recombinant Human MMP19 protein, His & T7-tagged

Cat. No. MMP19-1879H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human MMP19 aa. (Tyr98~Tyr508 (Accession # Q99542)) fused with N-terminal His & T7 tag was produced in E. coli cells. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Tyr98~Tyr508 |
| Description | This gene encodes a member of a family of proteins that are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. The encoded protein is secreted as an inactive proprotein, which is activated upon cleavage by extracellular proteases. Alternative splicing results in multiple transcript variants for this gene. |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 50.2kDa. |
| Endotoxin | <1.0EU per 1ug (determined by the LAL method) |
| Purity | >95% |
| Characteristic | The isoelectric point is 8.3. |

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| Applications | SDS-PAGE; WB; ELISA; IP. |
| Stability | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| Storage Buffer | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl. |
| Reconstitution | Reconstitute in sterile PBS, pH7.2-pH7.4. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | MMP19 matrix metalloproteinase 19 [Homo sapiens (human)] |
| Official Symbol | MMP19 |
| Synonyms | IL17D; interleukin 17D; LOW QUALITY PROTEIN: interleukin-17D; interleukin 17D; interleukin-17D |
| Gene ID | 4327 |
| mRNA Refseq | NM_001272101.1 |
| Protein Refseq | NP_001259030.1 |

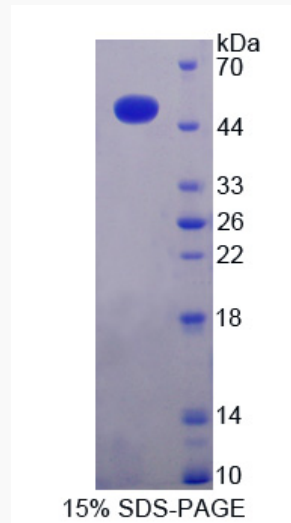
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UniProt ID

Q99542



SDS-PAGE

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