

## Recombinant Rat Mmp2 protein, His-KSI-tagged

**Cat. No.** Mmp2-2417R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Mmp2 protein(P33436)(412-662aa), fused with N-terminal His and KSI tag, was expressed in E.coli.                                                                                                                                                                                                   |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 412-662aa                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                 |
| <b>Molecular Mass</b>   | 43.6 kDa                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. |

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**AA Sequence**

EHSQDPGALMAPIYTYTKNFRLSNDDIKGIQELYGPSPDADTDGTGTGPTPTLGPVTP  
 EICKQDIVFDGIAQIRGEIFFFKDRFIWRTVTPRDKPTGPLLVATFWPELPEKIDAVYE  
 APQEEKAVFFAGNEYWVYSASTLERGYPKPLTSLGLPPDVQQVDAAFNWSKNKKT  
 YIFSGDKFWRYNEVKKKMDPGFPKLIADSWNAIPDNLDAVVDLQGGGHSYFFKGAY  
 YLKLENQSLKSVKFGSIKSDWLGC

**GENE INFORMATION**

**Gene Name** [Mmp2 matrix metalloproteinase 2 \[ Rattus norvegicus \]](#)

**Official Symbol** [Mmp2](#)

**Synonyms** MMP2; matrix metalloproteinase 2; 72 kDa type IV collagenase; MMP-2; gelatinase A; 72 kDa gelatinase; matrix metalloproteinase 2; matrix metalloproteinase-2;

**Gene ID** [81686](#)

**mRNA Refseq** [NM\\_031054](#)

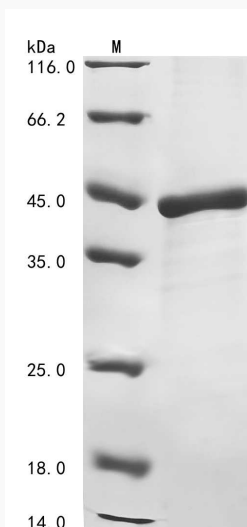
**Protein Refseq** [NP\\_112316](#)

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SDS-PAGE



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