

# Human MMP9 peptide ab73733

## 1 References

### 描述

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| 产品名称      | 人MMP9多肽                          |
| 纯度        | > 70 % HPLC.<br>70 - 90% by HPLC |
| Accession | <b><u>P14780</u></b>             |
| 无动物成分     | No                               |
| 性质        | Synthetic                        |
| 种属        | Human                            |

### 技术指标

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Our **Abpromise guarantee** covers the use of **ab73733** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| 应用   | Blocking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 形式   | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 补充说明 | <ul style="list-style-type: none"><li>- First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.</li><li>- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.</li><li>- Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.</li><li>- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.</li><li>- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.</li></ul> |

### 制备和贮存

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| 稳定性和存储 | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.<br><br>Information available upon request. |
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## 常规信息

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| <b>功能</b>    | May play an essential role in local proteolysis of the extracellular matrix and in leukocyte migration. Could play a role in bone osteoclastic resorption. Cleaves KiSS1 at a Gly-Leu bond. Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments. Degrades fibronectin but not laminin or Pz-peptide. |
| <b>组织特异性</b> | Produced by normal alveolar macrophages and granulocytes.                                                                                                                                                                                                                                                                                                                       |
| <b>疾病相关</b>  | Intervertebral disc disease<br>Metaphyseal anadysplasia 2                                                                                                                                                                                                                                                                                                                       |
| <b>序列相似性</b> | Belongs to the peptidase M10A family.<br>Contains 3 fibronectin type-II domains.<br>Contains 4 hemopexin repeats.                                                                                                                                                                                                                                                               |
| <b>结构域</b>   | The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.                                                                                                                                              |
| <b>翻译后修饰</b> | Processing of the precursor yields different active forms of 64, 67 and 82 kDa. Sequentially processing by MMP3 yields the 82 kDa matrix metalloproteinase-9.<br>N- and O-glycosylated.                                                                                                                                                                                         |
| <b>细胞定位</b>  | Secreted, extracellular space, extracellular matrix.                                                                                                                                                                                                                                                                                                                            |

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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