

MMP-9, human recombinant protein
Matrix metalloproteinase-9
Catalog # PBV11358r**Specification**

MMP-9, human recombinant protein - Product info

Primary Accession [P14780](#)
Calculated MW **39.0 kDa KDa**

MMP-9, human recombinant protein - Additional Info

Gene ID **4319**
Gene Symbol **MMP4**

Other Names

Matrix metalloproteinase-9 MMP-9, 92 kDa gelatinase, 92 kDa type IV collagenase, Gelatinase B, GELB, Cleaved into: 67 kDa matrix metalloproteinase-9; 82 kDa matrix metalloproteinase-9

Gene Source **Human**
Source **E.coli**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **HPLC; ≥95%**
Recombinant **Yes**

Application Notes

Reconstitute in sterile PBS to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

Format

Lyophilized powder

Storage

-20°C; Lyophilized with no additives

MMP-9, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MMP-9, human recombinant protein - Images**MMP-9, human recombinant protein - Background**

MMP-9 catalytic domain from human cDNA, expressed in E.coli and purified using proprietary technologies. The MMP-9 is useful as a standard in Western blot, etc.

MMP-9, human recombinant protein - References

Wilhelm S.M.,et al.J. Biol. Chem. 264:17213-17221(1989).
Huhtala P.,et al.J. Biol. Chem. 266:16485-16490(1991).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Deloukas P.,et al.Nature 414:865-871(2001).
Sato H.,et al.Oncogene 8:395-405(1993).