

Recombinant Rat MMP-9 Protein

Catalog No.: RP01212

Sequence Information

Species **Gene ID**
Rat 81687

Swiss Prot **Tags**
P50282 C-His

Synonyms

92 kDa gelatinase, 92 kDa type IV collagenase, GELB, MMP9, MMP-9, MMP9

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as determined by SDS-PAGE.

Calculated MW **Observed MW**
75.55 kDa 90-100 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 50mM Tris, 10mM CaCl₂, 150mM NaCl, pH 7.5. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Basic Information

Description

Recombinant Rat MMP-9 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu35-Pro708) of rat MMP-9 (Accession #NP_038627.1.) fused with a 6×His tag at the C-terminus.

Activity

1. Measured in a cell migration assay using Hela cells. 1 ng/mL of Recombinant Rat MMP-9 can effectively induce Hela cells migration.
2. Measured by its ability to cleave the fluorogenic peptide substrate Mca-PLGL-Dpa-AR-NH₂. The specific activity is >1600 pmoles/min/μg.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

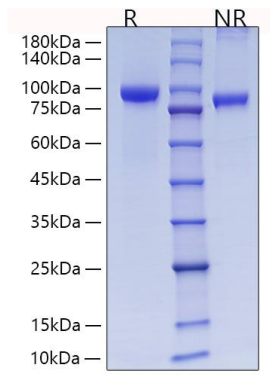
Contact

☎ | 400-999-6126

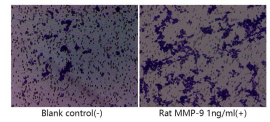
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Rat MMP-9 Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



Recombinant Rat MMP9 induces cell migration of the HeLa cells. 1 ng/mL of Recombinant Rat MMP-9 can effectively induce HeLa cells migration.