Recombinant Rat MMP-9 Protein

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Catalog No.: RP01212 Recombinant

Sequence Information

Species Gene ID Swiss Prot Rat 81687 P50282

Tags

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/ μ g 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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 $6\times His$ tag at the C-terminus.

Bio-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

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

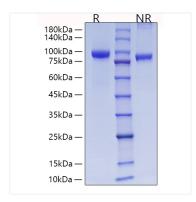
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

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

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.