

Recombinant Mouse MMP-9 protein (His Tag)

Catalog Number: Eg0452

Basic Information

Species:
Mouse**Purity:**
>90 %, SDS-PAGE**Tag:**
His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse MMP-9 protein Ala20-Pro730 (Accession# P41245) with a His tag at the C-terminus.

GeneID:

17395

Accession:

P41245

Predicted Molecular Mass:

82.6 kDa

SDS-PAGE:

90-110 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

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

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

MMP9 (matrix metalloproteinase 9), also named as Gelatinase B, is a member of matrix metalloproteinase (MMP) family. The MMP family of enzymes is comprised of critically important extracellular matrix remodeling proteases whose activity has been implicated in normal embryogenesis, tissue remodelling and many diseases such as arthritis, cancer, periodontitis, glomerulonephritis, encephalomyelitis, atherosclerosis and tissue ulceration. MMP9 is produced by a variety of normal and transformed cells including neutrophils, monocytes, macrophages, astrocytes, fibroblasts, osteoclasts and so on. Transgenic mouse models report that MMP9 contributes to skin carcinogenesis, suppresses development of experimental abdominal aortic aneurysms, and triggers the angiogenic switch during carcinogenesis.

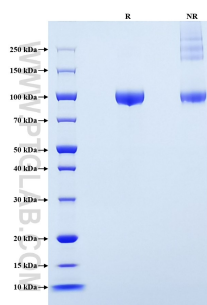
References

- 1.Roy, Roopali et al. J Clin Oncol. 2009 Nov 1;27(31):5287-97.
- 2.Tanindi, Asli et al. Open Cardiovasc Med J. 2011;5:110-6.
- 3.Coussens, L M et al. Cell. 2000 Oct 27;103(3):481-90.

Synonyms

Mmp9, AW743869, B/MMP9, Clg4b, matrix metalloproteinase 9

Selected Validation Data



Purity of Recombinant Mouse MMP-9 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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