

For Research Use Only

Recombinant Mouse ECM1 protein (rFc Tag)



Catalog Number: Eg2683

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Mouse ECM1 protein Ala20-Glu559 (Accession# Q61508-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

13601

Accession:

Q61508-1

Predicted Molecular Mass:

87.1 kDa

SDS-PAGE:

100-120 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

Extracellular matrix protein 1 (ECM1) is a glycoprotein involved in a number of biological processes such as bone formation, skin differentiation, cell proliferation, and promotes angiostasis. ECM1 is expressed in breast cancer and could participate in cell migration and angiogenesis. Pathologically, ECM1 contributes to the formation and metastasis of several types of cancer including breast, thyroid and hepatocellular cancers. (PMID:21128013) It inhibits MMP9 proteolytic activity. ECM1 protein is a possible trigger for angiogenesis, tumor progression and malignancies (PMID:21497598).

References

1. Chen H. (2010). Med Oncol. 28 Suppl 1:5318-25.
2. López-Marure R. et al. (2011). Eur J Pharmacol. 25;660(2-3):268-74.

Synonyms

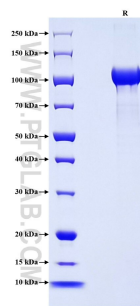
Ecm1, Extracellular matrix protein 1, Secretory component p85

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Purity of Recombinant Mouse ECM1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.