

Datasheet for ABIN7320312

ECM1 Protein (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	ECM1
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ECM1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse ECM1 Protein (His Tag)(Active)
Sequence:	Met 1-Glu 559
Characteristics:	A DNA sequence encoding the mouse ECM1 isoform 1 (Q61508-1) (Met 1-Glu 559) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 88 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to bind human MMP-9 in a functional ELISA.

Target Details

Target:	ECM1
Alternative Name:	ECM1 (ECM1 Products)

Target Details

Background:	<p>Background: Extracellular matrix protein 1 (ECM1) is a secreted glycoprotein and playing a pivotal role in endochondral bone formation, angiogenesis, and tumour biology. Three splice variants have been identified: ECM1a (540 aa) is most widely expressed, with highest expression in the placenta and heart; ECM1b (415 aa) is differentiation-dependent expressed and found only in tonsil and associated with suprabasal keratinocytes; ECM1c (559 aa) accounts for approximately 15% of skin ECM1. Although ECM1 is not tumor specific, is significantly elevated in many malignant epithelial tumors and is suggested as a possible trigger for angiogenesis, tumor progression and malignancies. It also has been shown to regulate endochondral bone formation, skeletal development and tissue remodeling.</p> <p>Synonym: AI663821;p85</p>
-------------	--

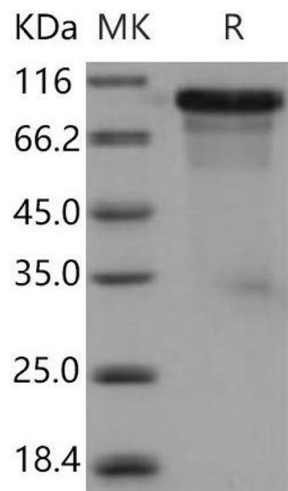
Molecular Weight:	62.5 kDa
-------------------	----------

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>



Western Blotting

Image 1.