

Datasheet for ABIN7320492  
**COL18A1 Protein (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	COL18A1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COL18A1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse COL18A1/Endostatin Protein (His Tag)
Sequence:	His1591-Lys1774
Characteristics:	Recombinant Mouse Collagen alpha-1(XVIII) chain is produced by our Mammalian expression system and the target gene encoding His1591-Lys1774 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	COL18A1
Alternative Name:	COL18A1/Endostatin ( <a href="#">COL18A1 Products</a> )
Target Type:	Chemical

## Target Details

Background:	<p>Background: Endostatin, an endogenous non-glycosylated inhibitor of endothelial cell proliferation and angiogenesis. It is produced and/or trimmed by metalloproteinases such as MMP-2 and MMP-9, and cathepsins S, B and L. The N-terminal ~27 aa of Endostatin appear to contain the majority of its activity. This region contains zinc binding sites that are thought to be critical for its anti-endothelial and anti-tumor effects, as well as multiple cleavage sites that, when used, can modify its activity. Mouse Endostatin shares 96 % aa sequence identity with rat and 85-87 % with human, bovine and equine Endostatin. It is predominantly expressed in liver, kidney, lung, skeletal muscle and testis. Endostatin inhibits endothelial cell growth by inducing cell cycle arrest in G1 phase and initiating apoptosis. It is also thought to down-regulate angiogenesis by blocking VEGF-induced endothelial cell migration. Endostatin may also be involved with down-regulation of angiogenesis after establishment of placental circulation in the pregnant uterus.</p> <p>Synonym: antiangiogenic agent,COL18A1,collagen alpha-1(XVIII)chain, collagen,type XVIII,Endostatin</p>
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Molecular Weight:	21.2 kDa
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UniProt:	<a href="#">P39061</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

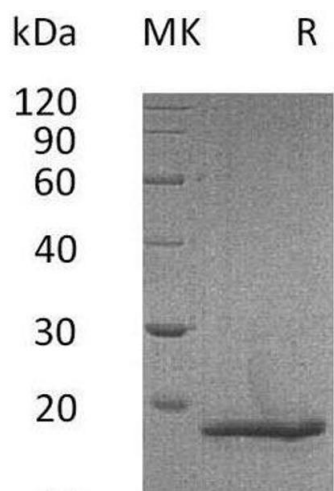
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 .
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>
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Western Blotting

Image 1.