

Datasheet for ABIN7013453
CTGF Protein (AA 27-349) (His tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CTGF
Protein Characteristics:	AA 27-349
Origin:	Rhesus Monkey
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CTGF protein is labelled with His tag.

Product Details

Characteristics:	Rhesus macaque CTGF / CCN2 Protein, His Tag
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CTGF
Alternative Name:	CTGF (CTGF Products)
Background:	Connective Tissue Growth Factor (CTGF), also known as CCN2, is a member of the CCN (CCN1-6) family of modular matricellular proteins. Like other CCN proteins, mature human CTGF consists of IGF-binding protein domain, a vWF-C domain, a TSP-1 domain, and a cysteine knot heparin-binding domain. CTGF promotes proliferation and differentiation of chondrocytes.

Target Details

Mediates heparin- and divalent cation-dependent cell adhesion in many cell types including fibroblasts, myofibroblasts, endothelial and epithelial cells. Enhances fibroblast growth factor-induced DNA synthesis. Analysis of CCN2 function in vivo has focused primarily on its key role as a mediator of excess ECM synthesis in multiple fibrotic diseases.

Molecular Weight:	37.3 kDa
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Positive Regulation of Endopeptidase Activity , Growth Factor Binding

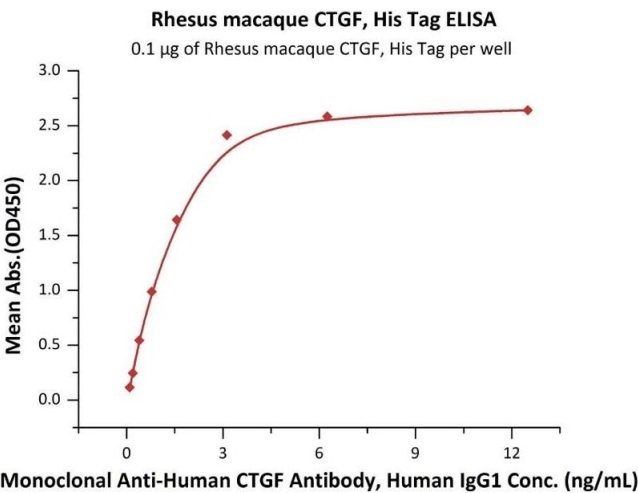
Application Details

Restrictions:	For Research Use only
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Handling

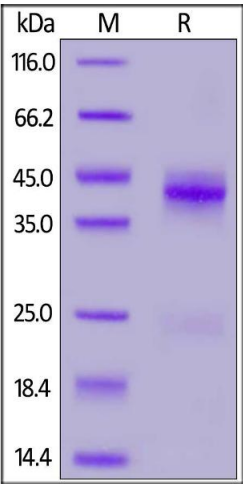
Format:	Lyophilized
Buffer:	5 mM HAC,100 mM NaCl, pH 5.5
Storage:	-20 °C

Images



ELISA

Image 1. Immobilized Rhesus macaque CTGF, His Tag (ABIN6973039) at 1 µg/mL (100 µL/well) can bind Monoclonal A CTGF Antibody, Human IgG1 with a linear range of 0.1-2 ng/mL (QC tested).



SDS-PAGE

Image 2. Rhesus macaque CTGF, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .