SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Antibody Discovery - Human CTGF / CCN2 (27-349) Membrane Protein, Partial, -His -Avi tag, [Biotin]

Cat. No.: **MP1227F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human CTGF / CCN2 (27-349). It has been tested in SDS-PAGE, ELISA, BLI. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
CTGF / CCN2

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 39.2 kDa. The protein migrates as 40-42 kDa and 43-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Gln 27 - Ala 349 (Accession # Q5M8T4-1).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA, BLI

Expression Systems
HEK293

Tag
His tag at the C-terminus, followed by an Avi tag.

Protein Format
Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Conjugation

Biotin

Purity

>90% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in Tris with Potassium glutamate and Arginine, pH7.0. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

CTGF / CCN2

Full Name

cellular communication network factor 2

Introduction

The protein encoded by this gene is a mitogen that is secreted by vascular endothelial cells. The encoded protein plays a role in chondrocyte proliferation and differentiation, cell adhesion in many cell types, and is related to platelet-derived growth factor. Certain polymorphisms in this gene have been linked with a higher incidence of systemic sclerosis.

Alternative Names

CTGF; NOV2; HCS24; IGFBP8; CCN family member 2; IBP-8; IGF-binding protein 8; IGFBP-8; connective tissue growth factor; hypertrophic chondrocyte-specific protein 24; insulin-like growth factor-binding protein 8

Gene ID

1490

UniProt ID

P29279