antibodies

Datasheet for ABIN1046858 CTGF Protein (AA 253-349, partial) (GST tag)

1 Image

2 Publications



Overview

Quantity:	50 µg
Target:	CTGF
Protein Characteristics:	AA 253-349, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTGF protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	GKKCIRTPKI SKPIKFELSG CTSMKTYRAK FCGVCTDGRC CTPHRTTTLP VEFKCPDGEV MKKNMMFIKT CACHYNCPGD NDIFESLYYR KMYGDMA
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	CTGF
Alternative Name:	Connective tissue growth factor protein (CTGF Products)
Background:	Major connective tissue mitoattractant secreted by vascular endothelial cells. Promotes
	proliferation and differentiation of chondrocytes. Mediates heparin- and divalent cation-

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	dependent cell adhesion in many cell types including fibroblasts, myofibroblasts, endothelial and epithelial cells. Enhances fibroblast growth factor-induced DNA synthesis.
Molecular Weight:	38.5 kD
UniProt:	P29279
Pathways:	Regulation of Lipid Metabolism by PPARalpha, Positive Regulation of Endopeptidase Activity, Growth Factor Binding

Application Details

Target Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system
	for secretion and intracellular expression. A protein expressed by the mammalian cell system is
	of very high-quality and close to the natural protein. But the low expression level, the high cost
	of medium and the culture conditions restrict the promotion of mammalian cell expression
	systems. The yeast protein expression system serve as a eukaryotic system integrate the
	advantages of the mammalian cell expression system. A protein expressed by yeast system
	could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the
	native protein conformation. It can be used to produce protein material with high added value
	that is very close to the natural protein. Our proteins produced by yeast expression system has
	been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions:

For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C
Publications	
Product cited in:	Pelletier, Marcil, Sevigny, Jakob, Tessier, Chevet, Menard, Bergeron, Thomas: "The

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Ophoff, Terwindt, Vergouwe, van Eijk, Mohrenweiser, Litt, Hofker, Haan, Ferrari, Frants: "A 3-Mb region for the familial hemiplegic migraine locus on 19p13.1-p13.2: exclusion of PRKCSH as a candidate gene. Dutch Migraine Genetic Research Group." in: **European journal of human genetics : EJHG**, Vol. 4, Issue 6, pp. 321-8, (1997) (PubMed).

Sakai, Hirai, Minoshima, Kudoh, Fukuyama, Shimizu: "Isolation of cDNAs encoding a substrate for protein kinase C: nucleotide sequence and chromosomal mapping of the gene for a human 80K protein." in: **Genomics**, Vol. 5, Issue 2, pp. 309-15, (1989) (PubMed).

Images



SDS-PAGE

Image 1. Connective Tissue Growth Factor (CTGF) (AA 253-349), (partial) protein (GST tag)

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