

Datasheet for ABIN1095554

CTGF Protein (AA 253-349, partial) (His tag)[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity:	100 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 His tag.
Application:	ELISA

Product Details

Sequence:	GKKCIRTPKI SKPIKFELSG CTSMKTYRAK FCGVCTDGRC CTPHRTTTL PVEFKCPDGEV MKKNMMFIKT CACHYNCPGD NDIFESLYYR KMYGDMA
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian 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 mitogen secreted by vascular endothelial cells. Promotes proliferation and differentiation of chondrocytes. Mediates heparin- and divalent cation-

Target Details

	dependent cell adhesion in many cell types including fibroblasts, myofibroblasts, endothelial and epithelial cells. Enhances fibroblast growth factor-induced DNA synthesis.
Molecular Weight:	15.2 kD
UniProt:	P29279
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Positive Regulation of Endopeptidase Activity , Growth Factor Binding

Application 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 modiflicated 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

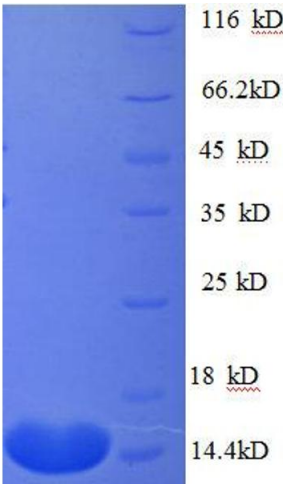
Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Publications

Product cited in:	Igarashi, Bradham, Okochi, Grotendorst: "Connective tissue growth factor." in: The Journal of
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dermatology, Vol. 19, Issue 11, pp. 642-3, (1993) ([PubMed](#)).

Bradham, Igarashi, Potter, Grotendorst: "Connective tissue growth factor: a cysteine-rich mitogen secreted by human vascular endothelial cells is related to the SRC-induced immediate early gene product CEF-10." in: **The Journal of cell biology**, Vol. 114, Issue 6, pp. 1285-94, (1991) ([PubMed](#)).



SDS-PAGE

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