

Recombinant human CTGF protein ab50044

Description

Product name	Recombinant human CTGF protein
Biological activity	Determined by its ability to stimulate the proliferation of mouse Balb/c 3T3 cells.
Purity	> 95 % SDS-PAGE. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
Expression system	Escherichia coli
Accession	<u>P29279</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	GKKCIRTPKISKPIKFELSGCTSMKTYRAKFCGVCTDGRC CTPHRTTTL P VEFKCPDGEVMKKNMMFIKTCACHYNCPGDNDIFESLYY RKMYGDMA
Predicted molecular weight	11 kDa
Amino acids	253 to 349

Specifications

Our **Abpromise guarantee** covers the use of **ab50044** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C long term. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	For lot specific reconstitution information please contact our Scientific Support Team.

General Info

Function	Major connective tissue chemoattractant secreted by vascular endothelial cells. Promotes proliferation and differentiation of chondrocytes. 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.
Tissue specificity	Expressed in bone marrow and thymic cells. Also expressed in one of two Wilms tumors tested.
Sequence similarities	Belongs to the CCN family. Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 1 IGFBP N-terminal domain. Contains 1 TSP type-1 domain. Contains 1 VWFC domain.
Cellular localization	Secreted > extracellular space > extracellular matrix. Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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