

# Recombinant human CYR61/CCN1 protein (Active) ab50074

## 1 References

### 描述

产品名称	重组人CYR61/CCN1蛋白(Active)	
生物活性	Determined by the dose-dependent stimulation of the proliferation of murine 3T3 cells. The expected <b>ED</b> <sub>50</sub> for this effect is 2.0-3.0 µg/ml.	
纯度	> 95 % SDS-PAGE. ab50074 purity was estimated also by HPLC. Endotoxin Level: < 0.1 ng/µg of protein (< 1 EU/µg).	
内毒素水平	< 1.000 Eu/µg	
表达系统	Escherichia coli	
Accession	<b><u>O00622</u></b>	
蛋白长度	Protein fragment	
无动物成分	No	
性质	Recombinant	
种属	Human	
序列	TCPAACHCP LEAPKCAPGV GLVRDGC GCC KVCAKQLNED CSKTQPCDHT KGLECNFGAS STALKGICRA QSEGRPCEYN SRIYQNGESF QPNCKHQCTC IDGAVGCIPL CPQELSLPNL GCPNRLVKV TGQCCEEWVC DEDSIKDPME DQDGLLGKEL GFDASEVELT RNNELIAVGK GSSLKRLPVF GMEPRILYNP LQGQKCIVQT TSWSQCSKTC GTGISTRVTN DNPECRLVKE TRICEVRPCG QPVYSSLKKG KKCSKTKKSP EPVRFTYAGC LSVKKYRPKY CGSCVDGRCC TPQLTRTVKM RFRCEDGETF SKNVMMIQSC KCNYNCPHAN EAAFPFYRLF NDIHKFRD	
预测分子量	40 kDa	
氨基酸	25 to 381	

### 技术指标

Our **Abpromise guarantee** covers the use of **ab50074** in the following tested applications.

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

应用 SDS-PAGE

## Functional Studies

**形式** Lyophilized

## 制备和贮存

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**稳定性和存储** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  
This product is an active protein and may elicit a biological response in vivo, handle with caution.

**复溶** Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA).

## 常规信息

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**功能** Promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. Appears to play a role in wound healing by up-regulating, in skin fibroblasts, the expression of a number of genes involved in angiogenesis, inflammation and matrix remodeling including VEGF-A, VEGF-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5. CYR61-mediated gene regulation is dependent on heparin-binding. Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1. Promotes cell adhesion and adhesive signaling through integrin alpha-6/beta-1, cell migration through integrin alpha-v/beta-5 and cell proliferation through integrin alpha-v/beta-3.

**序列相似性** 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.

**细胞定位** Secreted.

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

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