

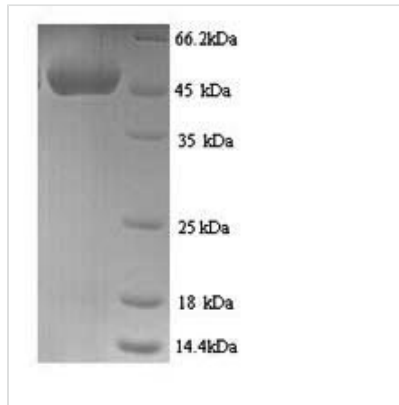


Recombinant Mouse CCN family member 1 (Ccn1)

Product Code	CSB-YP006463MO
Relevance	Promotes cell proliferation, chotaxis, 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 rodeling including VEGA-A, VEGA-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-1/beta-5 and cell proliferation through integrin alpha-v/beta-3 .
Abbreviation	Recombinant Mouse Ccn1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P18406
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	TCPAACHCPLEAPKCAPGVGLVRDGCCKVCAKQLNEDCSKTQPCDHTKG LECNFGASSTALKGICRAQSEGRPC EYNSRIYQNGESFQPNCKHQCTCIDGAV GCIPLCPQELSLPNLGCPNRLVKVSGQCCEEWVCEDEDSIKDSLDDQDDLLGL DASEVELTRNNELIAIGKGSSLKRLPVFGTEPRVLFNPLHAHGQKCIVQTTSWS QCSKSCGTGISTRVTNDNPECRLVKETRICEVRPCGQP VYSSLKKGKKCSKTK KSPEPVRFTYAGCSSVKKYRPKYCGSCVDGRCCCTPLQTRTVKMRFRCEGE MFSKNVMMIQSCKCNYNCPHPNEASFRLYSLFNDIHKFRD
Research Area	Others
Source	Yeast
Target Names	Cyr61
Protein Names	Recommended name: Protein CYR61Alternative name(s): 3CH61 CCN family member 1 Cysteine-rich angiogenic inducer 61 Insulin-like growth factor-binding protein 10 Short name= IBP-10 Short name= IGF-binding protein 10 Sh
Expression Region	25-379aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	41.1kDa
Protein Length	Full Length of Mature Protein



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Recombinant Mouse Protein CYR61 (Cyr61) is a partial-length protein expressed with N-terminal 6xHis-tagged in the yeast. Its expression region corresponds to 25-379aa of mouse cyr61 protein. Its purity was determined by SDS-PAGE and reached up to 90% and presented a molecular mass band around 45 kDa on the gel. This recombinant Cyr61 protein may be used to synthesize antibodies against Cyr61 or on the studies of Cyr61-associated signal transduction.

CYR61 can promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. It 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. CYR61 silencing can blunt the malignant behavior of osteosarcoma tumor cells by limiting primary tumor growth and dissemination process.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.