

## 32-20068: Recombinant Human CYR61(Discontinued)

**Reactivity :** chicken, Human , Mouse,  
**Alternative Name :** CCN1, GIGI protein, Cysteine-rich 61

### Description

**Source:** **E.coli** CYR61 is a member of the CCN family of secreted cysteine-rich regulatory proteins. CYR61 induces angiogenesis by stimulating the proliferation, migration, and adhesion of endothelial cells. Cell migration and adhesion are mediated through binding to specific cell surface integrins and to heparin sulfate proteoglycans. Increased expression of CYR61 is associated with several types of cancer, and correlates with the progression and estrogen independence of human breast cancers. Recombinant Human CYR61 is a 39.5 kDa protein containing 357 amino acid residues. It is composed of four distinct structural domains (modules); the IGF binding protein (IGFBP) domain, the von Willebrand Factor C (VWFC) domain, the Thrombospondin type-I (TSP type-1) domain, and a C-terminal cysteine knot-like domain (CTCK).

### Product Info

**Amount :** 5 µg / 20 µg  
**Purification :** Purity: >= 95% by SDS-PAGE gel and HPLC analyses.  
**Content :** This recombinant protein is supplied in lyophilized form.  
**Amino Acid :** T CPAACHCPL EAPKCAPGVG LVRDGC GCK VCAKQLNEDC SKTQPCDHTK GLECNFGASS  
TALKGICRAQ SEGRPCEYNS RIYQNGESFQ PNCKHQCTCI DGAVGCIPLC PQELSLPNLG CPNPRLVKVT  
GQCCEEWVCD EDSIKDPMED QDGLLGKELG FDASEVELTR NNELI AVGKG SSLKRLPVFG MEPRILYNPL  
QGQKCIVQTT SWSQCSKTCG TGISTRVTND NPECRLVKET RICEVRPCGQ PVYSSLKKGK KCSKTKKSPE  
PVRFTYAGCL SVKKYRKYC GSCVDGRCCT PQLTRTVKMR FRCEDGETFS KNVMMIQSCK CNYNCPHANE  
AAFPFYRLFN DIHKFRD

### Application Note

Determined by the dose-dependent stimulation of the proliferation of murine 3T3 cells. The expected  $ED_{50}$  for this effect is 2.0-3.0 µg/ml.