

## 32-1123: CYR61 Recombinant Protein

**Alternative Name :** CYR61,Protein CYR61,Cysteine-rich angiogenic inducer 61,Insulin-like growth factor-binding protein 10,IGF-binding protein 10,IGFBP-10,IBP-10,Protein GIG1,CCN family member 1,CCN1,GIG1,IGFBP10.

### Description

Source : Escherichia Coli. CYR61 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 357 amino acids and having a molecular mass of 39.5kDa.The CYR61 is purified by proprietary chromatographic techniques. CYR61 is a growth factor-inducible, immediate-early gene that has multifaceted activities in various cancers. CYR61 is a secreted, cysteine-rich, heparin-binding protein which is encoded by a growth factor-inducible immediate-early gene. Acting as an extracellular, matrix-associated signaling molecule, CYR61 promotes the adhesion of endothelial cells through interaction with integrin and enhances growth factor-induced DNA synthesis in the same cell type.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** Lyophilized from a 0.2m filtered concentrated solution in PBS, pH 7.4.  
**Storage condition :** Lyophilized CYR61 Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CYR61 should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.  
**Amino Acid :** T CPAACHCPL EAPKCAPGVG LVRDGC GCK VCAKQLNEDC SKTQPCDHTK GLECNFGASS  
TALKGICRAQ SEGRPCEYNS RIYQNGESFQ PNCKHQCTCI DGAVGCIPLC PQELSLPNLG CPNPRLVKVT  
GQCCEWVCD EDSIKDPMED QDGLLGKELG FDASEVELTR NNELIavgkg SSLKRLPVFG MEPRILYNPL  
QGQKCIVQTT SWSQCKTCG TGISTRVTND NPECRLVKET RICEVRPCGQ PVYSSLKKGK KCSKTKKSPE  
PVRFTYAGCL SVKKYRKYC GSCVDGRCCTPQLTRTVKMR FRCEDGETFS KNVMMIQSCK CNYNCPHANE  
AAFPPYRLFN DIHKFRD

### Application Note

It is recommended to reconstitute the lyophilized CYR61 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The ED50 was determined by the proliferation of mouse 3T3 cells is < 2.0 ug/ml, corresponding to a specific activity of > 500 units/mg.