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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 :	TCPAACHCPL EAPKCAPGVG LVRDGCGCCK VCAKQLNEDC SKTQPCDHTK GLECNFGASS TALKGICRAQ SEGRPCEYNS RIYQNGESFQ PNCKHQCTCI DGAVGCIPLC PQELSLPNLG CPNPRLVKVT GQCCEEWVCD EDSIKDPMED QDGLLGKELG FDASEVELTR NNELIAVGKG SSLKRLPVFG MEPRILYNPL QGQKCIVQTT SWSQCSKTCG TGISTRVTND NPECRLVKET RICEVRPCGQ PVYSSLKKGK KCSKTKKSPE PVRFTYAGCL SVKKYRPKYC GSCVDGRCCTPQLTRTVKMR FRCEDGETFS KNVMMIQSCK CNYNCPHANE AAFPFYRLFN DIHKFRD

Application Note

It is recommended to reconstitute the lyophilized CYR61 in sterile 18M-cm H2O not less than 100Âµg/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.