
Product Data Sheet

Product Name: CYR61 Human

Cat. No.: GP20158

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	CYR61; Protein CYR61; Cysteine-rich angiogenic inducer 61; IGF-binding protein 10; IGFBP-10; IBP-10; Protein GIG1; CCN family member 1; CCN1; GIG1; IGFBP10.		
Amino Acid Sequence	TCPAACHCPL EAPKCAPGVG LVRDGC GCCK 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 SVKKYRKYC GSCVDGRCCTPQLTRTVKMR FRCEDGETFS KNVMMIQSCK CNYNCPHANE AAFPYRLFN DIHKFRD		
Solubility	It is recommended to reconstitute the lyophilized CYR61 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2m filtered concentrated solution in PBS, pH 7.4.		

Introduction

CYR61 is a growth factor-inducible, immediate-early gene that has multifaceted activities in various cancers. CYR61 is a secreted, cysteine-rich, 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.

Biological Activity

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

Stability

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.

Background

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.

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