

Cysteine-Rich Angiogenic Inducer 61 Human Recombinant

Item Number	rAP-2302
Synonyms	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	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.
Uniprot Accession Number	O00622
Amino Acid Sequence	TCPAACHCPL EAPKCAPGVG LVRDGC GCCK VCAKQLNEDC SKTQPCDHTK GLECNFGASS TALKGICRAQ SEGRPCEYNS RIYQNGESFQ PNCKHQCTCI DGAVGCIPLC PQELSLPNLG CPNPRLVKVT GQCCEEWVCD EDSIKDPMED QDGLLGKELG FDASEVELTR NNELIAGVGK G SSLKRL- PVFG MEPRILYNPL QGQKCIQTT SWSQCSKTCG TGISTRVTND NPECRLVKET RICEVRPCGQ PVYSSLKKGK KCSKTKKSPE PVRFTYAGCL SVKKYRPKYC GSCVDGRCTPQLTRTVKMR FRCEDG- ETFS KNVMMIQSCK CNYNCPHANE AAFPYRLFN DIHKFRD
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a 0.2m filtered concentrated solution in PBS, pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	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.
Biological Activity	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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**