

Datasheet for ABIN935294 **CYR61 Protein**



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Overview

Quantity:	20 µg
Target:	CYR61
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	MTCPAACHCP LEAPKCAPGV GLVRDGC GCC KVCAKQLNED CSKTQPCDHT KGLECNFGAS STALKGICRA QSEGRPCEYN SRIYQNGESF QPNCKHQCTC IDGAVGCIPL CPQELSLPNL GCPNRLVKV TGQCCEEWVC DEDSIKDPME DQDGLLGKEL GFDASEVELT RNNELIAVGK GSSLKRLPVF GMEPRILYNP LQGQKCIVQT TSWSQCSKTC GTGISTRVTN DNPECLVKE TRICEVRPCG QPVYSSLKKG KKCSKTKKSP EPVRFTYAGC LSVKKYRPKY CGSCVDGRCC TPQLTRTVKM RFRCEGETF SKNVMMIQSC KCNYNCPHAN EAAFPFYRLF NDIHKFRD
Characteristics:	Purified recombinant Human CYR61 protein Expression System: E.coli Bioactivity: Determined by the dose-dependent stimulation of the proliferation of Mouse 3T3 cells. The expected ED50 for this effect is 2.0-3.0 µg/mL.
Purity:	> 95 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	CYR61
Alternative Name:	CYR61 (CYR61 Products)
Background:	<p>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).</p> <p>Alternative Names: CYR61, CYR6-1 protein, CYR-61 protein, CYR 61, CYR 61 protein, CYR-61, CCN1 protein, GIG1 protein protein</p>
Pathways:	Positive Regulation of Endopeptidase Activity , Growth Factor Binding

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Supplied as a lyophilized powder.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.