

CYR61 Blocking Peptide (Center) Synthetic peptide Catalog # BP21805c

Specification

CYR61 Blocking Peptide (Center) - Product Information

Primary Accession

<u>000622</u>

CYR61 Blocking Peptide (Center) - Additional Information

Gene ID 3491

Other Names

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

Target/Specificity The synthetic peptide sequence is selected from aa 163-174 of HUMAN CYR61

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CYR61 Blocking Peptide (Center) - Protein Information

Name CCN1 (HGNC:2654)

Function

Promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. Appears to play a role in wound healing by up- regulating, in skin fibroblasts, the expression of a number of genes involved in angiogenesis, inflammation and matrix remodeling including VEGA-A, VEGA-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5. CCN1-mediated gene regulation is dependent on heparin-binding. Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1. Promotes cell adhesion and adhesive signaling through integrin alpha-6/beta-1, cell migration through integrin alpha-v/beta-5 and cell proliferation through integrin alpha-v/beta-3.

Cellular Location Secreted.



CYR61 Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

<u>Blocking Peptides</u>

CYR61 Blocking Peptide (Center) - Images

CYR61 Blocking Peptide (Center) - Background

Promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. Appears to play a role in wound healing by up- regulating, in skin fibroblasts, the expression of a number of genes involved in angiogenesis, inflammation and matrix remodeling including VEGA-A, VEGA-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5. CYR61-mediated gene regulation is dependent on heparin-binding. Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1. Promotes cell adhesion and adhesive signaling through integrin alpha-6/beta-1, cell migration through integrin alpha-v/beta-5 and cell proliferation through integrin alpha-v/beta-3.

CYR61 Blocking Peptide (Center) - References

Jay P.,et al.Oncogene 14:1753-1757(1997). Martinerie C.,et al.Mol. Pathol. 50:310-316(1997). Albrecht C.,et al.J. Biol. Chem. 275:28929-28936(2000). Kolesnikova T.V.,et al.Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases. Bi A.B.,et al.Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.