

CYR61 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21805c**Specification**

CYR61 Blocking Peptide (Center) - Product InformationPrimary Accession [O00622](#)**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 VEGF-A, VEGF-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.

- [Blocking Peptides](#)

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 VEGF-A, VEGF-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.