

Recombinant Human CYR61, His-tagged

Cat. No. CYR61-27830TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 275-381 of Human CCN1 fused to His tag, 17kDa.
Species	Human
Source	E.coli
ProteinLength	275-381 a.a.
Description	The secreted protein encoded by this gene is growth factor-inducible and promotes the adhesion of endothelial cells. The encoded protein interacts with several integrins and with heparan sulfate proteoglycan. This protein also plays a role in cell proliferation, differentiation, angiogenesis, apoptosis, and extracellular matrix formation.
Conjugation	HIS
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 1X PBS
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequence Similarities Belongs to the CCN family. Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 1 IGFBP N-terminal domain. Contains 1 TSP type-1 domain. Contains 1 VWFC domain.

GENE INFORMATION

Gene Name [CYR61 cysteine-rich, angiogenic inducer, 61 \[Homo sapiens \]](#)

Official Symbol [CYR61](#)

Synonyms [CYR61](#); [cysteine-rich, angiogenic inducer, 61](#); [IGFBP10](#); [protein CYR61](#); [CCN1](#); [GIG1](#);

Gene ID [3491](#)

mRNA Refseq [NM_001554](#)

Protein Refseq [NP_001545](#)

MIM [602369](#)

Uniprot ID [O00622](#)

Chromosome Location 1p22.3

Pathway Hypertrophy Model, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem; RhoA signaling pathway, organism-specific biosystem; amb2 Integrin signaling, organism-specific biosystem;

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Function

extracellular matrix binding; heparin binding; insulin-like growth factor binding; integrin binding;

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