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Datasheet for ABIN1880631

CYR61 Protein (AA 25-381) (Fc Tag)

Overview

Quantity:	50 µg
Target:	CYR61
Protein Characteristics:	AA 25-381
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYR61 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human Cyr61/CCN1 (C-Fc)
Sequence:	<p>TCPAACHCPL EAPKCAPGVG LVRDGC GCCK VCAKQLNEDC SKTQPCDHTK GLECNFGASS</p> <p>TALKGICRAQ SEGRPCEYNS RIYQNGESFQ PNCKHQCTCI DGAVGCIPLC PQELSLPNLG</p> <p>CPNPRLVKVT GQCCEEWVCD EDSIKDPMED QDGLLGKELG FDASEVELTR NNELIAVGKG</p> <p>SSLKRLPVFG MEPRILYNPL QGQKCIVQTT SWSQCSKTCG TGISTRVTND NPECRLVKET</p> <p>RICEVRPCGQ PVYSSLKKGK KCSKTKKSPE PVRFTYAGCL SVKKYRPKYC GSCVDGRCCCT</p> <p>PQLTRTVKMR FRCEGETFS KNVMMIQSCK CNYNCPHANE AAFPYRLFN DIHKFRDVEDD</p> <p>IEGRMDEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE</p> <p>DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP</p> <p>APIEKTISKA KGQPREPVY TLPPSREEMT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN</p> <p>NYKTTTPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGK</p>
Characteristics:	Recombinant Human Cyr61/CCN1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Thr25-Asp381) of Human CYR61

Product Details

fused with a FC tag at the C-terminus.

Purity: > 95 % as determined by reducing SDS-PAGE.

Sterility: 0.2 µm filtered

Endotoxin Level: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target: CYR61

Alternative Name: CYR61 ([CYR61 Products](#))

Sub Type: Fusionprotein

Background: Protein CYR61, also known as CCN family member 1, Cysteine-rich angiogenic inducer 61, Insulin-like growth factor-binding protein 10, GIG1, CYR61, CCN1 and IGFBP10, belongs to the CCN family, CYR61 is a secreted protein and contains one CTCK (C-terminal cystine knot-like) domain, one IGFBP N-terminal domain, one TSP type-1 domain and one VWFC domain. CYR61 promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. CYR61 plays important roles in inflammation and tissue repair. CYR61 is associated with diseases related to chronic inflammation, including rheumatoid arthritis, atherosclerosis, diabetes-related nephropathy and retinopathy, and many different forms of cancers.

Alternative Names: Protein CYR61, CCN family member 1, Cysteine-rich angiogenic inducer 61, Insulin-like growth factor-binding protein 10, GIG1, CYR61, CCN1, IGFBP10,

Molecular Weight: 66.5 kDa

UniProt: [O00622](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#), [Growth Factor Binding](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.

Dissolve the lyophilized protein in ddH₂O.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Handling

Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months