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Datasheet for ABIN6720366 **CYR61 ELISA Kit**

Overview

Quantity:	1 kit
Target:	CYR61
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Breast Milk, Cell Culture Supernatant, Plasma (EDTA - heparin), Saliva, Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric

Characteristics:

Synonyms: 3CH61, CCN 1, CCN family member 1, CCN1, CCN1, CYR 61, Cyr61, CYR61 protein, CYR61 protein precursor, CYR61 protein precursor, CYR61_HUMAN, Cysteine rich angiogenic inducer 61, Cysteine rich heparin binding protein 61, Cysteine-rich angiogenic inducer 61, GIG 1, GIG1, GIG1 protein, IBP-10, IGF-binding protein 10, Igfbp 10, IGFBP-10, IGFBP10, Insulin like growth factor binding protein 10, Insulin-like growth factor-binding protein 10, Protein CYR61, Protein GIG1

Background: Cysteine-rich angiogenic inducer 61(CYR61) or CCN family member 1(CCN1), is a matricellular protein that in humans is encoded by the CYR61 gene. This gene is mapped to

Product Details

1p22.3. CYR61 is capable of regulating a broad range of cellular activities, including cell adhesion, migration, proliferation, differentiation, apoptosis, and senescence through interaction with cell surface integrin receptors and heparan sulfate proteoglycans. During embryonic development, CYR61 is critical for cardiac septal morphogenesis, blood vessel formation in placenta, and vascular integrity. In adulthood CYR61 plays important roles in inflammation and tissue repair, and is associated with diseases related to chronic inflammation, including rheumatoid arthritis, atherosclerosis, diabetes-related nephropathy and retinopathy, and many different forms of cancers.

Gene Name: CYR61

Production: Natural and recombinant human CYR61. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: CHO, Immunogen sequence: A22-D381

Target Details

Target: CYR61

Alternative Name: CYR61 - CCN1 ([CYR61 Products](#))

Gene ID: 3491

NCBI Accession: [NP_001545](#)

UniProt: [O00622](#)

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

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human CYR61 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA), saliva, urine or human milk to each empty well. It is recommended that each human CYR61 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 31.2pg/mL-2000pg/mL

Sample Volume: 100 µL

Application Details

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.