

Human CYR61/CCN1 ELISA Kit | CYR61 elisa kit

Human CYR61/CCN1 PicoKine ELISA Kit

CATALOG #
AAA45878

REACTIVITY
Human

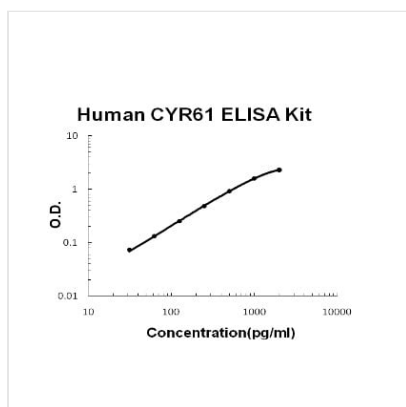
PRODUCT SYNONYMS

CYR61/CCN1; Human CYR61/CCN1 PicoKine ELISA Kit; Protein CYR61; cysteine-rich; angiogenic inducer; 61; 3CH61; CCN 1; CCN family member 1; CCN1; CYR 61; Cyr61; CYR61 protein; 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 GIG1; CYR61 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human CYR61
Sequence Length	381
Samples	Cell culture supernates, serum, plasma (heparin, EDTA), saliva, urine and human milk
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human CYR61/CCN1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CYR61 elisa kit	Principle of the assay: human CYR61 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CYR61 has been precoated onto 96-well plates. Standards(CHO, A22-D381) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CYR61 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human CYR61 amount of sample captured in plate. 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 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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	3023601
NCBI GeneID	3491
UniProt Accession #	O00622; O14934; O43775; Q9BZL7
Molecular Weight	42,027 Da
NCBI Official Full Name	Protein CYR61
NCBI Official Synonym Full Names	cysteine-rich, angiogenic inducer, 61
NCBI Official Symbol	CYR61
NCBI Official Synonym Symbols	CCN1; GIG1; IGFBP10
NCBI Protein Information	protein CYR61; IBP-10; IGFBP-10; CCN family member 1; IGF-binding protein 10; cysteine-rich, anigogenic inducer, 61; cysteine-rich heparin-binding protein 61; insulin-like growth factor-binding protein 10
UniProt Protein Name	Protein CYR61
UniProt Gene Name	CYR61
UniProt Synonym Gene Names	CCN1; GIG1; IGFBP10; IBP-10; IGF-binding protein 10; IGFBP-10
UniProt Entry Name	CYR61_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cyr61-ccn1/45878>