

## Cyr61/CCN1 recombinant protein

Recombinant Human Cyr61/CCN1 Protein (C-Fc)

CATALOG #  
**AAA22116**

HOST  
**HEK293 Cells**

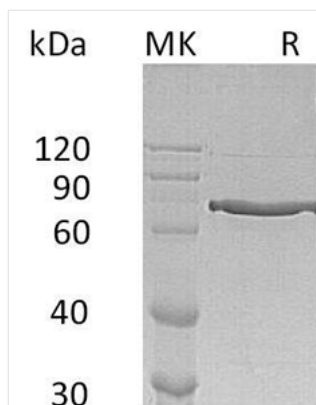
### PRODUCT SYNONYMS

Cyr61/CCN1; Recombinant Human Cyr61/CCN1 Protein (C-Fc); Protein CYR61; CCN family member 1; Cysteine-rich angiogenic inducer 61; Insulin-like growth factor-binding protein 10; GIG1; CYR61; CCN1; IGFBP10; Cyr61/CCN1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293 Cells                                                                                                                                                                                                                                              |
| Purity/Purification     | >95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                  |
| Form/Format             | Lyophilized from a 0.2 um filtered solution of 20 mM Tris-HCl, 6% Trehalose, 4% Mannitol, 0.05% Tween80, pH 7.5                                                                                                                                           |
| Sequence Positions      | Thr25-Asp381                                                                                                                                                                                                                                              |
| Sequence Length         | 381                                                                                                                                                                                                                                                       |
| Species                 | Human                                                                                                                                                                                                                                                     |
| Endotoxin               | <1.0 EU per ug of the protein as determined by LAL test.                                                                                                                                                                                                  |
| Tag                     | C-Fc                                                                                                                                                                                                                                                      |
| Reconstitution          | We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis. |
| Note                    | Centrifuge before opening to ensure complete recovery of vial contents                                                                                                                                                                                    |
| Preparation and Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C<br>Reconstituted protein solution can be stored at 4-8°C for 2-7 days.<br>Aliquots of reconstituted samples are stable at < -20°C for 3 months                 |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Cyr61/CCN1 recombinant protein | 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. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 31542331                                                      |
| NCBI GeneID                      | 3491                                                          |
| NCBI Accession #                 | NP_001545.2                                                   |
| NCBI GenBank Nucleotide #        | NM_001554.4                                                   |
| UniProt Accession #              | O00622; O14934; O43775; Q9BZL7                                |
| Molecular Weight                 | Calculated MW: 66.5 kDa<br>Observed MW: 71 kDa                |
| 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                                                 |
| UniProt Protein Name             | Protein CYR61                                                 |
| UniProt Gene Name                | CYR61                                                         |
| UniProt Synonym Gene Names       | CCN1; GIG1; IGFBP10; IBP-10; IGF-binding protein 10; IGFBP-10 |

**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.