

## Active Recombinant Human CYR61 Protein, Fc Chimera

**Cat. No.** CYR61-895H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human CYR61 (Accession # O00622), fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.                                                                                                                                                                            |
| <b>Species</b>              | Human                                                                                                                                                                                                                                                                                               |
| <b>Source</b>               | CHO                                                                                                                                                                                                                                                                                                 |
| <b>Predicted N Terminal</b> | Ala22                                                                                                                                                                                                                                                                                               |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in PBS and NaCl.                                                                                                                                                                                                                                         |
| <b>Bio-activity</b>         | Measured by its ability to mediate Balb/3T3 mouse embryonic fibroblast cell adhesion. Ball, D.K. et al. (2003) Reproduction 125:271. Recombinant Human Cyr61/CCN1 Fc Chimera immobilized at 1.5 µg/mL, 100 µL/well, will mediate >25% BALB/3T3 cell adhesion (3 x 10 <sup>4</sup> cell/well added). |
| <b>Molecular Mass</b>       | Recombinant Human CYR61, Fc Chimera has a calculated MW of 66.3 kDa. In SDS-PAGE migrates as 70-75 kDa, reducing conditions.                                                                                                                                                                        |
| <b>Purity</b>               | >90%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                                         |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).                                                                                                       |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | CYR61 cysteine-rich, angiogenic inducer, 61 [ Homo sapiens ]                                                                                                                                                                                                                     |
| <b>Official Symbol</b>     | CYR61                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>            | CYR61; cysteine-rich, angiogenic inducer, 61; IGFBP10; protein CYR61; CCN1; GIG1; 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; |
| <b>Gene ID</b>             | 3491                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_001554                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>      | NP_001545                                                                                                                                                                                                                                                                        |
| <b>MIM</b>                 | 602369                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>          | O00622                                                                                                                                                                                                                                                                           |
| <b>Chromosome Location</b> | 1p22.3                                                                                                                                                                                                                                                                           |

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