

Recombinant Human Cyr61/CCN1 Protein

Catalog No.: RP00353 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3491	O00622

Tags

C-hFc

Synonyms

Cellular communication network factor 1;
Cysteine-rich angiogenic inducer 61;
Insulin-like growth factor-binding protein
10; IBP-10; IGF-binding protein 10;
IGFBP-10; Cyr61; CCN1; GIG1

Product Information

Source	Purification
HEK293 cells	> 95% by SDS- PAGE.

Endotoxin

< 0.1 EU/μg

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled water.
Avoid vortex or vigorously pipetting the
protein. For long term storage, it is
recommended to add a carrier protein or
stabilizer (e.g. 0.1% BSA, 5% HSA, 10%
FBS or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Contact

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Background

The secreted protein encoded by this gene is growth factor-inducible and promotes the adhesion of endothelial cells. The encoded protein interacts with several integrins and with heparan sulfate proteoglycan. This protein also plays a role in cell proliferation, differentiation, angiogenesis, apoptosis, and extracellular matrix formation.

Basic Information

Description

Recombinant Human Cyr61/CCN1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr25-Asp381) of human Cyr61/CCN1 (Accession #O00622) fused with a hFc tag at the C-terminus.

Bio-Activity

Measured by its ability to mediate Balb/3T3 mouse embryonic fibroblast cell adhesion. Recombinant Human Cyr61/CCN1 Fc Chimera immobilized at 1.5 μg/mL (100 μL/well), will mediate >25% BALB/3T3 cell adhesion (3 x 10⁴ cell/well added).

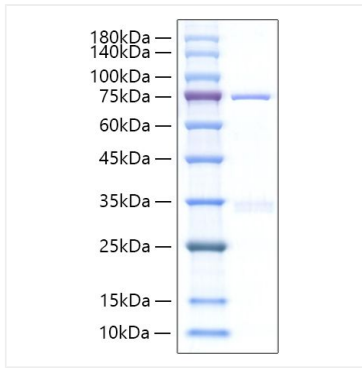
Storage

Store the lyophilized protein at -20°C to -80°C for 12 months.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse IGF-I Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 65-75kDa.