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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
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
65.40 kDa

Observed MW
65-75 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

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

Reconstitution
Centrifμge 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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.

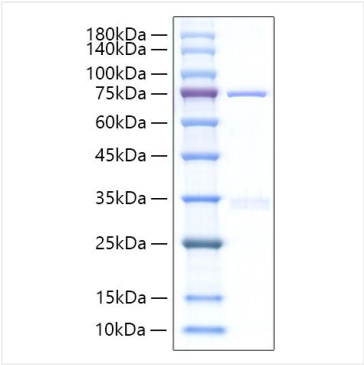
Basic Information

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 10^4 cell/well added).

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Cyr61/CCN1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.