Recombinant Human Cyr61/CCN1 Protein

Catalog No.: RP00353

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Sequence Information

Species
Human

Gene ID
3491

Swiss Prot
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.

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.

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).

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20℃

Operational Notes

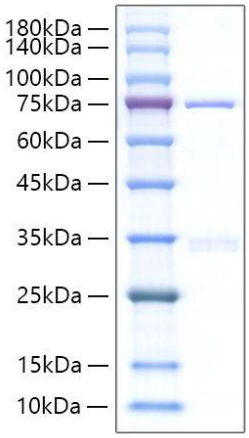
For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



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