



Recombinant Protein Technical Manual

Recombinant Human Cyr61/CCN1 Protein (Fc Tag)

RPES1601

Product Data:

Product SKU: RPES1601

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O00622

Protein Information:

Molecular Mass: 66.5 kDa

AP Molecular Mass: 71 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Protein CYR61;CCN family member 1; Cysteine-rich angiogenic inducer 61;Insulin-like growth factor-binding protein 10 ; GIG1; CYR61; CCN1;IGFBP10;

Immunogen Information:

Sequence: Thr 25-Asp381

Background:

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 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.