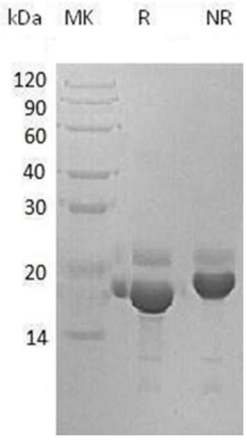
Recombinant Human CTGF

Catalog No: CM22

Description	Recombinant Human Connective tissue growth factor is produced by our Mammalian expression system and the target gene encoding Glu27-Ala180 is expressed.
Source	Human Cells
Alternative name	Connective tissue growth factor; CCN family member 2; Hypertrophic chondrocyte-specific protein 24; Insulin-like growth factor-binding protein 8; IBP-8; IGF-binding protein 8; IGFBP-8
Accession No.	P29279
Predicted Molecular Weight	16.4kDa
Apparent Molecular Weight	15-19kDa, reducing conditions.
Quality Control	Purity: >95% as determined by reducing SDS-PAGE. Endotoxin: <1.0 EU per μg
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Background	CTGF belongs to the CCN (CTGF/Cyr61/Cef10/NOVH) protein family, which is comprised of six secreted proteins that reside in the extracellular matrix (ECM). CTGF causes a variety of cellular responses including reduced cell adhesion and enhanced cell migration and proliferation. CTGF has also been shown to be essential for epithelial to mesenchymal transition (EMT), a process whereby normal functioning cells morph into ones that produce mainly scar tissue (of which collagen in the major protein component).

SDS-PAGE



R. Reducing sample
NR. Non-reducing sample