

Recombinant Human CTGF/CCN2 Protein

Catalog Number: PKSH032277

Note: Centrifuge before opening to ensure complete recovery of vial contents.

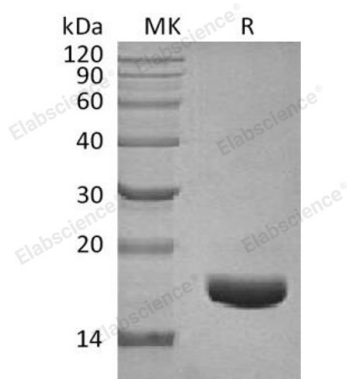
Description

Species	Human
Source	HEK293 Cells-derived Human CTGF;CCN2 protein Glu27-Ala180
Calculated MW	16.3 kDa
Observed MW	16-25 kDa
Accession	Q5M8T4
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Reconstitution	Please refer to the specific buffer information in the printed manual. Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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 is the major protein component).

For Research Use Only