

Recombinant Human Vitronectin

Cat. No.:MGC089 size : 10 μ g / 50 μ g / 1mg

Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Human Vitronectin (Asp20-Leu478) Accession #P04004
Predicted molecular mass	52.3kDa

Specification:

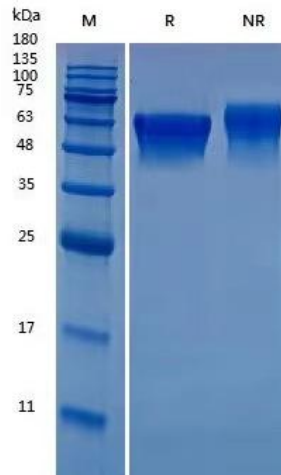
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	\geq 95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	\leq 0.001EU/ μ g by the LAL method
Activity	Measured by the ability of the immobilized protein to support the adhesion of NIH3T3 mouse embryonic fibroblast cells. The ED ₅₀ for this effect is 2-10 μ g/mL. Optimal concentration depends on cell type as well as the application or research objectives.
Formulation	Lyophilized from a 0.22 μ m-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water.
Shipping	Wet ice (seasonal)
Storage & Stability	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

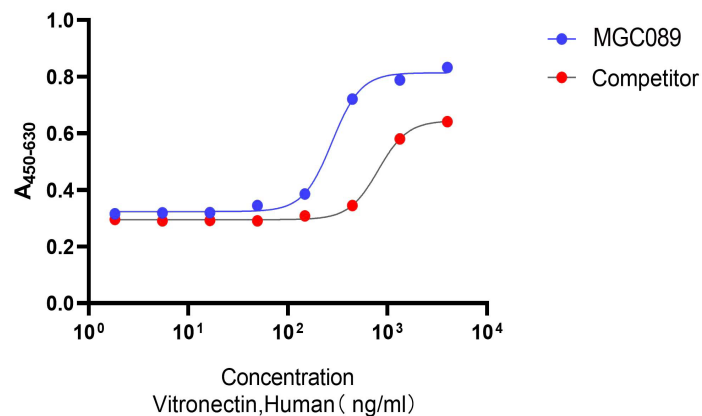
Data:

SDS-PAGE



Recombinant Human Vitronectin (Cat. No. MGC089) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with MGC089 SDS-PAGE.

Bioactivity



Measured by the ability of the immobilized protein to support the adhesion of NIH3T3 mouse embryonic fibroblast cells. The ED₅₀ for this effect is 2-10 µg/mL. The activity of MGC089 was higher than other competing products.