

# Recombinant Human Vitronectin

Catalog Number: OM643787

## Characteristics:

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

## Specification:

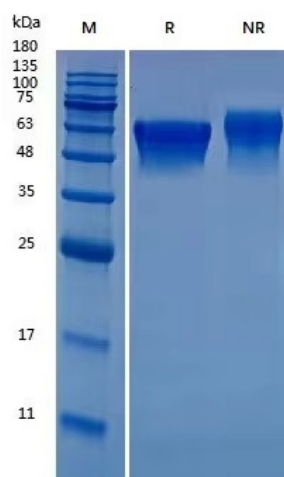
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤1 EU/mg by the LAL method
Activity	Measured by the ability of the immobilized protein to support the adhesion of NIH3T3 mouse embryonic fibroblast cells. The ED <sub>50</sub> for this effect is 2-10 µg/mL. Optimal concentration depends on cell type as well as the application or research objectives.
Formulation	Lyophilized from a 0.22 µm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Size	50 µg/vial, 1 mg/vial

## Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water.
Shipping	The product is shipped with blue ice.
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 <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b>

## Data:

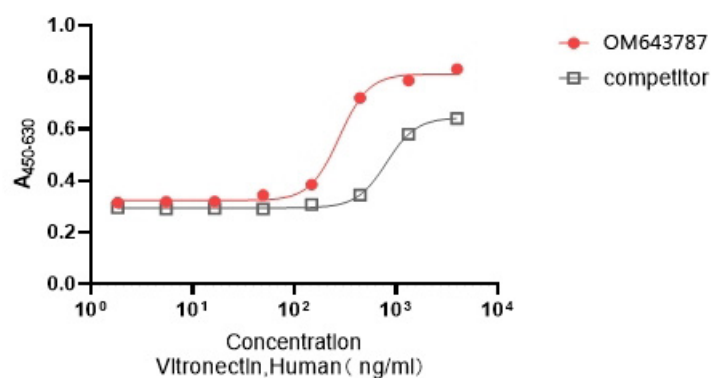
### SDS-PAGE



V2.0

Recombinant Human Vitronectin (Cat. No. OM643787) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with OM643787 SDS-PAGE.

### Bioactivity



Measured by the ability of the immobilized protein to support the adhesion of NIH3T3 mouse embryonic fibroblast cells.

The ED<sub>50</sub> for this effect is 2-10 µg/mL. The activity of OM643787 was higher than other competing products.