

Recombinant Human TGF- β 1

Catalog Number: OM643777

Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Human TGF- β 1 (Ala279-Ser390) Accession # P01137
Predicted molecular mass	12.8 kDa(monomer)

Specification:

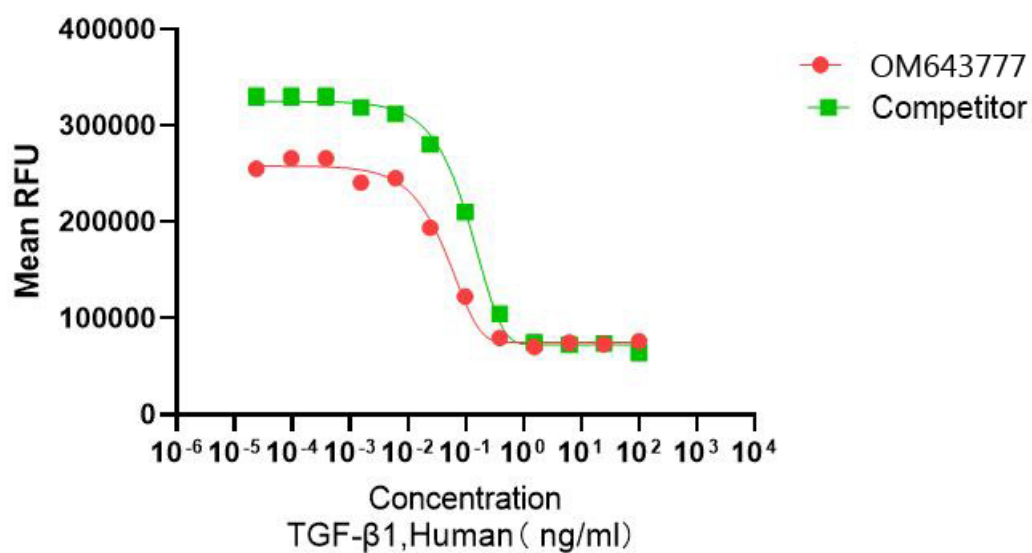
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	$\geq 95\%$, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤ 10 EU/mg by the LAL method
Activity	Measured in a cell inhibition assay using TF-1 cells at IL4 presence. The ED_{50} for this effect is ≤ 0.1 ng/mL.
Formulation	Lyophilized from a 0.22 μ m-filtered solution containing 0.085% TFA, 30% ACN, 5% mannitol, pH 2.5
Size	50 μ g/vial, 1 mg/vial

Handling and Storage:

Reconstitution	It is recommended to redissolve in 4mM HCL.
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 Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Data:

Bioactivity



Measured in a cell inhibition assay using TF-1 cells at IL4 presence. The ED₅₀ for this effect is ≤ 0.1 ng/mL. The ED₅₀ for this effect is < 0.5 ng/mL. The activity of OM643777 was higher than other competing products.