Recombinant Human Transferrin

Catalog Number: OM643780

Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Human Transferrin (Val20-Pro698) Accession # P02787
Predicted molecular mass	75.2 kDa

Specification:

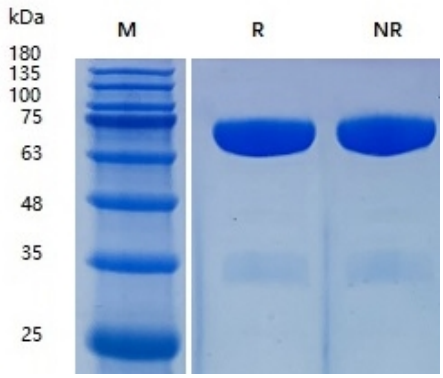
Appearance	Red powder, red clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤0.5 EU/mg by the LAL method
Activity	Measured in a serum-free cell proliferation assay using MDCK canine kidney epithelial cells. The ED_{50} for this effect is 0.5-2 μg/mL. Optimal concentration depends on cell type as well as the application or research objectives.
Formulation	Lyophilized from a 0.2 μm filtered solution in sterile water.
Size	100 mg/vial, 1 g/vial, 10 g/vial, 100 g/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 2°C to 8°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.**

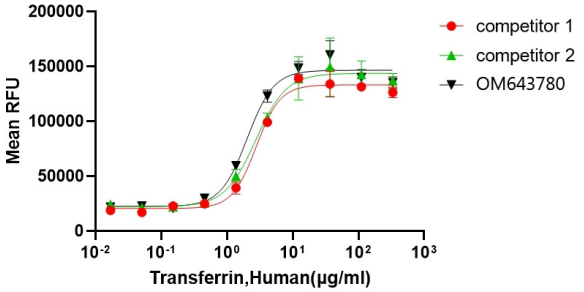
Data:

SDS-PAGE



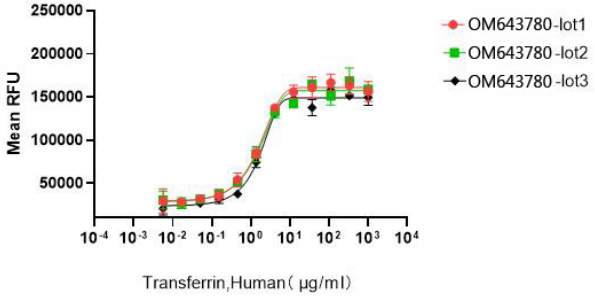
Recombinant Human Transferrin (Cat. No. OM643780) SDS-PAGE under reducing (R) & Non-reducing condition. The gel was stained with OM643780 SDS-PAGE

Bioactivity



Recombinant Human Transferrin (Cat. No. OM643780) stimulates proliferation of MDCK cells in serum-free cell culture medium. The ED_{50} for this effect is 0.5-2μg/mL. The activity of OM643780 was higher than other competing products.

Bioactivity



Highly consistent bioactivity between different production batches of Recombinant Human Transferrin (Cat. No. OM643780) .

SEC-HPLC

