

Mouse/Rat TGF-beta 1/TGFB1 recombinant protein



Catalog Number: 504507

General Information

Protein Construction

A DNA sequence encoding the rat TGFB1 (Ala279-Ser390) was expressed. Rat and Mouse mature TGFB1 sequences are identical.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit the proliferation of MV-1 cells. The ED₅₀ for this effect is 0.02-0.08ng/mL.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Ala 279

Molecular Mass

The recombinant rat TGFB1 comprises 112 amino acids and predicts a molecular mass of 12.8 kDa.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

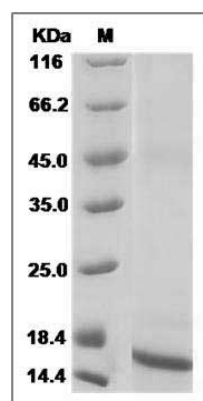
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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