Human / Rhesus / Cynomolgus / Canine
TGF-beta 1 / TGFB1 Protein

Catalog Number: 10804-HNAC

General Information

Gene Name Synonym:
CED; DPD1; LAP; TGF-beta 1; TGFB; TGFbeta

Protein Construction:
A DNA sequence encoding the active form of human/rhesus/canine TGFβ1 (NP_000651.3) (Ala 279-Ser 390) was expressed and purified. Human, Rhesus, cynomolgus and Canine TGFβ1 sequences are identical.

Source: Human

Expression Host: CHO Stable Cells

QC Testing

Purity: > 95 % as determined by HPLC.

Bio Activity:
Measured by its ability to inhibit cell proliferation of Mv-1-lu mink lung epithelial cells. The ED$_{50}$ for this effect is typically 0.04-0.2 ng/mL.

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 human/rhesus/canine TGFβ1 consists of 112 amino acids and has a calculated molecular mass of 12.8 kDa. It migrates as an approximately 13 & 26 kDa band in reduced and non-reduced SDS-PAGE respectively, corresponding to the monomer and homodimer.

Formulation:
Lyophilized from sterile 100mM GLY, 10mM NaCl, pH 3.0

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

References


Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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