

Catalog Number: HZ-1011

HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species: Human	Purity: >95%	Formulation: 50 mM NaOAc pH 4.5, See Certificate of Analysis for details
Expression: HEK293	Endotoxin: <1 EU/μg	Species Reactivity: human,mouse
Activity: Typically ≤ 0.5 ng/mL EC50	Molecular Mass: 25 kDa, homodimer, nonglycosylated	Gene ID: 7040

Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 4 mM HCl containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

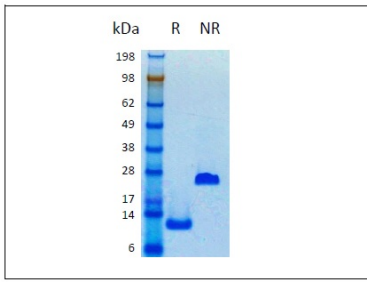
Product Description

Animal-free Recombinant Human TGF beta 1 is expressed from human 293 cells as a mature disulfide-linked homodimer with an apparent molecular mass of 25 kDa. Tests indicate that TGF beta 1 is as efficient at inducing IL-17 expression in Th17 cells, as cytokine purified from human platelets. This product is produced in a human cell expression system with serum-free, chemically defined media.

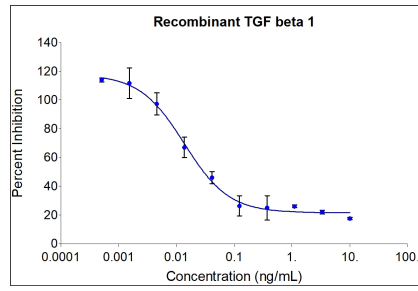
Synonyms

CED, DPD1, LAP, TGF B1, TGF beta 1, tgf beta1, TGFB, TGFB1, TGFbeta, tgf-beta1

Selected Validation Data



The protein was resolved by SDS- polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.



The activity was determined by the dose-dependent inhibition of IL-4 induced proliferation of mouse HT-2 cells (BALB/c spleen activated by sheep erythrocytes in the presence of IL-2) using Promega CellTiter96® Aqueous Non-Radioactive Cell Proliferation Assay.

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