

Recombinant Human TGF beta 1

Catalog Number: **HZ-1011**

HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	human
Expression	HEK293
Activity	Typically ≤ 0.5 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	25 kDa, homodimer, nonglycosylated
Formulation	50 mM NaOAc pH 4.5, See Certificate of Analysis for details
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

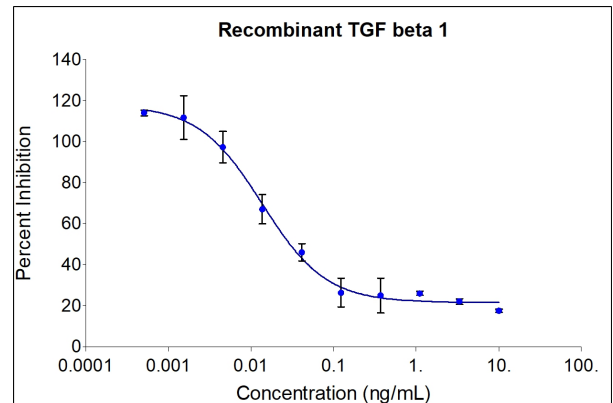
Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted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

Product Description

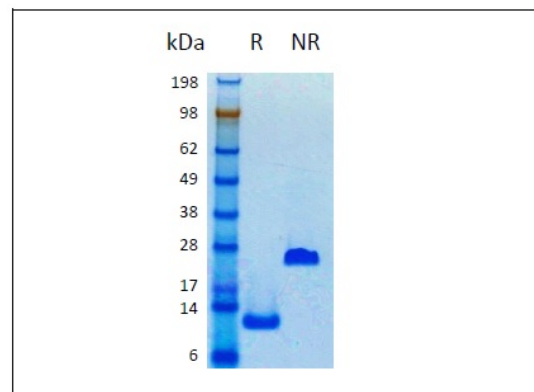
Animal-free Recombinant Human TGF beta 1 is expressed from human 293 cells as a mature disulfide-linked homodimer with an apparent molecular mass of 25 kDa. Tests indicate that TGF beta 1 is as efficient at inducing IL-17 expression in Th17 cells, as cytokine purified from human platelets. This product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

Synonyms

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



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.



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

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or
1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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