

For Research Use Only

Recombinant Human TGF beta 3



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Catalog Number:HZ-1090

HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species: human	Purity: >95%	Formulation: 50 mM NaOAc pH 3.7, See Certificate of Analysis for details
Expression: HEK293	Endotoxin: <1 EU/µg	Gene ID: 7043
Activity: 0.14-0.75 ng/mL EC50	Molecular Mass: 25 kDa, homodimer, non-glycosylated	

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 3 is expressed from human 293 cells as a mature disulfide-linked homodimer with apparent molecular mass of 25 kDa. This cytokine is produced in a human cell expression system with serum-free, chemically defined media. The cytokine is greater than 95% pure.

Synonyms

ARVD, FLJ16571, TGF beta 3, TGF beta3, TGFB3

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

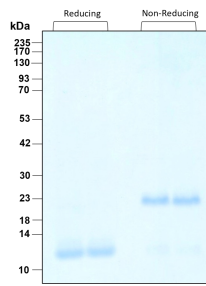
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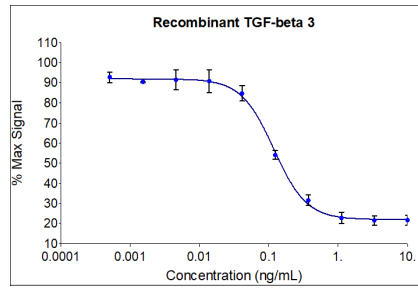
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Selected Validation Data



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



Recombinant human TGF beta 3 (HZ-1090) inhibits IL-4 induced proliferation of the HT-2 mouse cell line. HT-2 cells are Balb/c spleen cells activated by sheep erythrocytes in the presence of IL-2. Cell number was quantitatively assessed by PrestoBlue® cell viability reagent. HT-2 cells were treated with increasing concentrations of recombinant TGF beta 3 for 72 hours. The EC50 was determined using a 4-parameter non-linear regression model. Activity determination was conducted in triplicate on the validated bioassay. The EC50 range is 0.14-0.75 ng/mL.