

For Research Use Only

Recombinant Human Activin A



www.ptgcn.com

Catalog Number:HZ-1138

HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species: human	Purity: >95%	Formulation: 1x PBS, See Certificate of Analysis for details
Expression: HEK293	Endotoxin: <1 EU/ μ g	Gene ID: 3624
Activity: 0.5-3.5 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 1xPBS 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 Activin A is a member of the TGF beta superfamily, expressed from human 293 cells as disulfide linked homodimer with an apparent molecular mass of 25 kDa. This cytokine is produced in a serum-free, chemically defined media.

Synonyms

Activin A, Activin beta A chain, EDF, FRP, INHBA, Inhibin beta A chain, inhibin, beta A

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

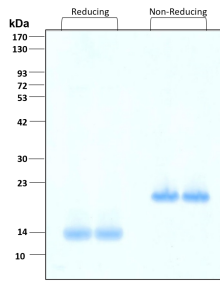
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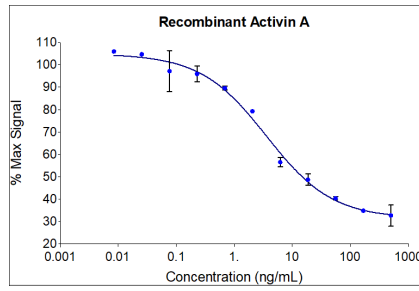
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Selected Validation Data



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



Recombinant human Activin A (HZ-1138) causes dose-dependent inhibition of proliferation in the Mouse plasmacytoma (MPC-11) cell line. Proliferation of the MPC-11 cell line was assessed using Promega CellTiter 96®. MPC-11 cells were treated with increasing concentrations of recombinant human Activin A for 72 hrs hours before addition of CellTiter96® reagent. The EC50 was determined using a 4-parameter non-linear regression model. The EC50 values range from 0.5-3.5 ng/ml.