

HumanKine[®] Activin A (Recombinant Human)



Animal Component-Free	Human cell expressed	Tag-Free	Endotoxin Free
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Product Description

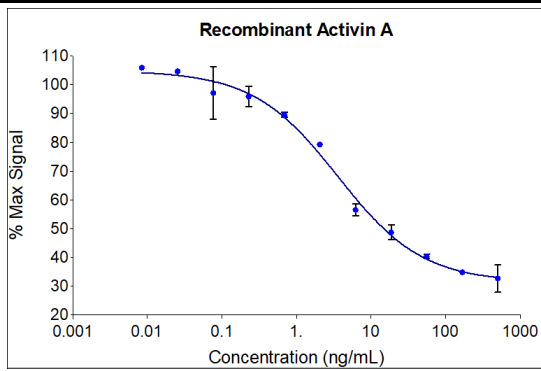
Animal-free Recombinant Human Activin A is a member of the TGF beta superfamily, expressed from human 293 cells as disulfide linked homodimer with an apparent molecular mass of 25 kDa. This cytokine is produced in a serum-free, chemically defined media.

Alternative Names	Activin A, Activin beta A chain, EDF, FRP, INHBA, Inhibin beta A chain, inhibin, beta A
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived Activin A protein
Species Reactivity	human,mouse

Specifications

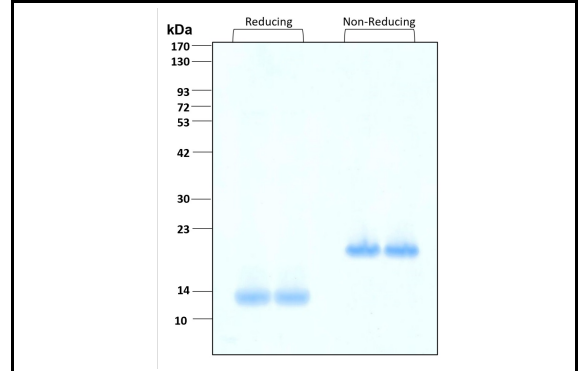
Test	Method	Specification
Activity	Dose-dependent inhibition of the proliferation of the MPC-11 cell line (mouse plasmacytoma cell line)	0.5-3.5 ng/mL EC50
Molecular Mass	SDS-PAGE	13kDa reduced, 22 kDa non-reduced, homodimer, non-glycosylated
Purity	SDS-PAGE	>95%
Endotoxin	LAL	<1 EU/μg

Activity Data



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

SDS-PAGE



Preparation	
Shipping Temperature	ambient temperature
Formulation	1x PBS, See Certificate of Analysis for details
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS pH 7.4 containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)
	Lyophilized	-20°C to -80°C	Until Expiry Date
	Lyophilized	Room Temperature	2 weeks
	Reconstituted as per CofA	-20°C to -80°C	6 months
	Reconstituted as per CofA	4°C	1 week
Avoid repeated freeze-thaw cycles.			

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