

HumanKine[®] Activin A (Recombinant Human)



| | | | |
|-----------------------|----------------------|----------|----------------|
| Animal Component-Free | Human cell expressed | Tag-Free | Endotoxin Free |
|-----------------------|----------------------|----------|----------------|

Product Description

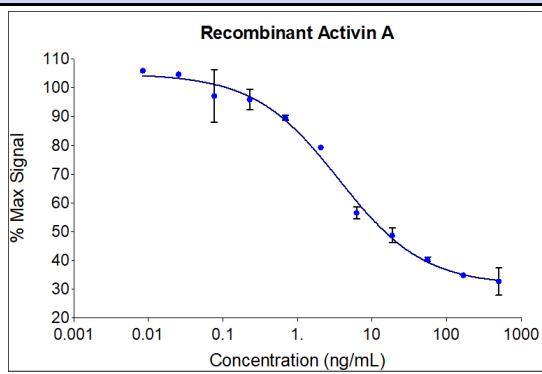
Animal-free Recombinant Human Activin A is a member of the TGF beta superfamily, expressed from human 293 cells as disulfide linked homodimer with an apparent molecular mass of 25 kDa. This cytokine is produced in a serum-free, chemically defined media.

| | |
|-------------------|---|
| 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 |

Specifications

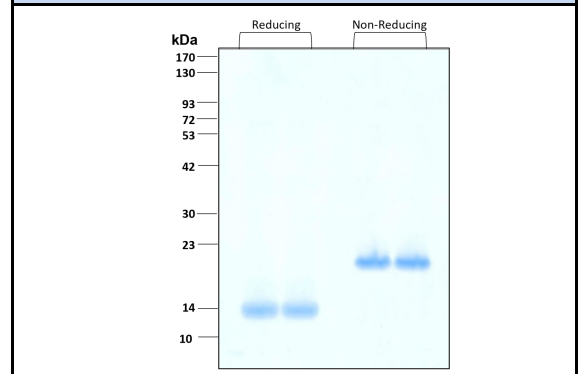
| Test | Method | Specification |
|----------------|---|-------------------------------------|
| Activity | Dose-dependent inhibition of the proliferation of the MPC-11 cell line (mouse plasmacytoma cell line) | 0.5-3.5 ng/mL EC50 |
| Molecular Mass | SDS-PAGE | 25 kDa, homodimer, non-glycosylated |
| 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 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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