

# Recombinant Human Activin A

Cat. #: SAV-010

## Product Specifications

- Expression of Human Proteins in Human Cells
- Extremely Low Endotoxin Level
- High Purity
- Animal Free and Xeno Free
- Tag Free

## Protein Description

Activin A belongs to the members of the TGF- $\beta$  superfamily. Activin A is involved in a wide range of biological processes including tissue morphogenesis and repair, fibrosis, inflammation, neural development, hematopoiesis, reproductive system function, and carcinogenesis.

## References

Kumanov P, et al. (2005) *Reprod. Biomed. Online* 10, 786.

**Source:** Derived from human cells

**Size:** 10  $\mu$ g

**Shipping:** Ambient temperature

**Structure:** Non-glycosylated homodimer

**Purity:** >95% by SDS-PAGE

**Endotoxin Level:** <0.5 EU/ $\mu$ g

**Molecular Weight:** 25 kDa

**Formulation:** Lyophilized from a 0.2  $\mu$ m filtered solution in PBS without carrier protein

## Activity Assay

Activity was measured by the inhibition of proliferation of the murine MPC-11 cell line.

## Reconstitution

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

## Stability and Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80° C as supplied. 1 month, 2 to 8° C under sterile conditions after reconstitution. 3 months, -20 to -80° C under sterile conditions after reconstitution.

