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Activin A

Catalog # PVGS1696

Product Information

Primary Accession	P08476
Species	Human
Sequence	Gly311-Ser426
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 0.1EU per μg by the LAL method.
Biological Activity	Immobilized Activin A, Human (Cat.No.: Z03814) at 1 μg/ml can bind Human Activin RIIB, His Tag. Activin A, Human (Cat.No.: Z03814) can inhibit proliferation of MPC-11 cells.
Expression System	HEK293
Theoretical Molecular Weight	12.97 kDa
Formulation	Lyophilized from 0.22 μm filtered solution in 4 mM HCI.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in 4mM HCI.
Storage & Stability	Upon receiving, the lyophilized product remains stable up to 6 months at -20 °C or below as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Additional Information

Gene ID	3624
Other Names	Inhibin beta A chain, Activin beta-A chain, Erythroid differentiation protein, EDF, INHBA
Target Background	Activin-A, a member of the TGF-β superfamily, has fundamental roles in embryonic development, stem cell maintenance and differentiation, haematopoiesis, cell proliferation, and tissue fibrosis. It signals through two type I and two type II receptors, activating kinase activity, phosphorylating SMAD2 and 3 intracellular signaling mediators, forming a complex with SMAD4, and translocating to the nucleus to regulate gene expression.

Protein Information

Name	INHBA
Function	Inhibins/activins are involved in regulating a number of diverse functions such as hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell development and maturation, erythroid differentiation, insulin secretion, nerve cell survival, embryonic axial development or bone growth, depending on their subunit composition.
Cellular Location	Secreted.