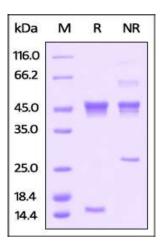
## Human CellExp<sup>™</sup> Latent Activin A / INHBA, human recombinant

CATALOG NO:	P1078-10 P1078-50	10 µg 50 µg
ALTERNATE NAMES:	Activin A, INHBA	
SOURCE:	HEK 293 cells (Ser 21 - Ser 426)	
PURITY:	> 95% by SDS – PAGE	
MOL. WEIGHT:	This protein is fused with polyhistidine tag at N terminus and the protein has a calculated MW of 13 kDa (mature) & 32 kDa (pro). The predicted N-terminus is His (pro) & Gly 311 (mature). The protein migrates as 15 kDa (mature) and 43-48 kDa (pro) under reducing (R) condition and 27 kDa (mature), 43-48 kDa (pro) and 60 kDa (pro & mature) under non-reducing (NR) condition on SDS-PAGE gel.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of $50 \ \mu$ g/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -80°C.	
	can be stored at 2	2-8°C for up to 1 month. For extended storage, it

subunit to form Activin AB and Activin AC, respectively. The 14 kDa mature human  $\beta$ A chain shares 100% amino acid sequence identity with bovine, feline, mouse, porcine, and rat  $\beta$ A. Activin is produced in the gonads, pituitary gland, placenta, and other organs. The bioactivity of Activin A is regulated by a variety of mechanisms. In the ovarian follicle, activin increases FSH binding and FSH-induced aromatization; Activin is strongly expressed in wounded skin, and overexpression of activin in epidermis of transgenic mice improves wound healing and enhances scar formation; Activin also regulates the morphogenesis of branching organs such as the prostate, lung, and especially kidney. Activin A increased the expression level of type-I collagen suggesting that activin A acts as a potent activator of fibroblasts; Lack of activin during development results in neural developmental defects.



The purity of human Latent Activin A / INHBA, His Tag was determined by SDS-PAGE under reducing (R) condition and staining overnight with Coomassie Blue.

## **RELATED PRODUCT:**

- Human CellExp<sup>™</sup> CD155, human recombinant (Cat. No. 7462-10, -50)
- Human CellExp<sup>™</sup> B7-H3 / CD276, Human recombinant (Cat. No. 9239-10, -50)
- Human CellExp<sup>™</sup> CD160/BY55, human recombinant (Cat. No. 7386-10, -50)
- Human CellExp<sup>™</sup> CD166/ ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp<sup>™</sup> CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp<sup>™</sup> CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp<sup>™</sup> CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp<sup>™</sup> CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)

