

Inhibin alpha chain/INHA Protein, Bovine (His-SUMO)

Cat. No.:	HY-P72295
Synonyms:	INHA; Inhibin alpha chain
Species:	Bovine
Source:	E. coli
Accession:	P07994 (S227-I360)
Gene ID:	281254
Molecular Weight:	Approximately 33 kDa

PROPERTIES

AA Sequence	<p> S T P P L P W P W S P A A L R L L Q R P P E E P A A H A D C H R A A L N I S F Q E L G W D R W I V H P P S F I F Y Y C H G G C G L S P P Q D L P L P V P G V P P T P V Q P L S L V P G A Q P C C A A L P G T M R P L H V R T T S D G G Y S F K Y E M V P N L L T Q H C A C I </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Inhibin alpha chain/INHA protein takes center stage in the intricate regulation of pituitary gland function, participating in the dual modulation of follitropin secretion alongside activins. The broader influence of inhibins and activins, where Inhibin A is a key constituent, spans diverse physiological processes, including hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell development and maturation, erythroid differentiation, insulin secretion, nerve cell survival, embryonic axial development, and bone growth, contingent upon their subunit composition. Notably, inhibins, represented by Inhibin A, emerge as apparent antagonists to the functions of activins within this multifaceted regulatory network. Structurally, Inhibin A exists as a dimer, intricately linked by one or more disulfide bonds, with its subunit composition comprising alpha and beta-A subunits. This dimeric configuration underscores the complexity of Inhibin A's role, shedding light on its involvement in the finely tuned orchestration of diverse physiological functions.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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