

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

General Information

Synonyms:	INHA;Inhibin alpha chain
Protein Construction:	227-360 aa
Species:	Bovine
Expression Host:	E. coli
Accession:	P07994
Molecular Weight:	30.6 kDa (predicted)
AA Sequence:	STPPLPWPWSPAALRLLQRPPEEPAAHADCHRAALNISFQELGWDRWIVHPPSFIFYYCHGGCGLSPPQDLP LPVPGVPPTPVQPLSLVPGAQPCCAALPGTMRPLHVRTTSDGGYSFKYEMVNPILLTQHACI

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, 6% Trehalose, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Inhibins and activins inhibit and activate, respectively, the secretion of follitropin by the pituitary gland. 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. Inhibins appear to oppose the functions of activins.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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