

INHBC Protein, Human, Recombinant (C-His)

General Information

Synonyms:	Activin β -C Chain;Activin Beta-C Chain;Inhibin β C Chain;INHBC;Inhibin Beta C Chain
Protein Construction:	Thr19-Ser352
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P55103
Molecular Weight:	(42-58)&(32-40)&(14-17) KDa (reducing condition)
AA Sequence:	Thr19-Ser352

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:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/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

Inhibin beta C chain, also known as activin beta-C chain and INHBC, belongs to the TGF-beta family. INHBC forms a homodimeric or heterodimeric through association with alpha and beta subunits, linked by one or more disulfide bonds. Inhibins are heterodimers of one alpha and one beta subunit. Activins are homo- or heterodimers of beta subunits only. Inhibins/activins regulates many physiological processes, 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 and so on.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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