

Recombinant Rat INHBC Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52720

Size: 10ug, 100ug

Protein Name: Inhibin beta C chain (Activin beta-C chain)

Synonym: Inhbc

UniProt ID: Q9WUK5

UniProt Link: www.uniprot.org/uniprotkb/Q9WUK5/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 351 AA

Molecular Weight: 39 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MASSLLLALLFLTLATVVNLKTDGPCPACWGATFDLESHRELLLDLAKKSILDKLHLSQRPILSRPVSR
EALKTALRRLRGTRAETLLEHDQRQEYIEISFADTGLSNINQTRLEFHFSDRTTGGVEVLQTRFMFFM
QLPPNTTQTMNIRVLVLRPYDTNLTLSQYMLQVDASGWYQLLLGPEAQAACSQGHLTLELVPESQL
AHSSLILDGVSHRPFVAAQVRVEGKHRVRRRGINCQGLSRMCCRQEFFVDFREIGWHDWIIQPEGY
AMNFCTGQCPLHVAGMPGISASFHTAVLNLLKANTDAGTARRGSCCVPTSRRPLSLLYYDRDSNIVK
TDIPDMVVEACGCS

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Inhibin beta C chain (Activin beta-C chain) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: 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.

Subcellular Localization: Secreted .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.