PRODUCT DATA SHEET

Bioworld Technology,Inc.

Recombinant IGF-BP-4, His, Human

Catalog Number: BK0309-10μg   Source: HEK 293   Quantity: 10μg

Description:

Insulin-like growth factor-binding protein 4 (IGF-BP-4), also known as IBP-4, is a secreted glyco-protein belonging to the IGFBP family. IGF-BP-4 is produced by osteoblasts, epidermis, ovarian follicles and other tissues. It binds both insulin-like growth factor (IGF) I and II, and it circulates in the plasma in both glycosylated and non-glycosylated forms. IGF-BP-4 prolongs the half-life of the IGFs and has been shown to inhibit or stimulate the growth-promoting effects of the IGFs. Pregnancy Associated Plasma Protein A (PAPP-A) proteolytically cleaves IGF-BP-4 and reduces its affinity to bind IGFs, and thus serves as an important regulator of IGF-BP-4 function.

Molecular Weight:

30-35 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 50 ng/ml, measured in a bioassay using FDC-P1 cells in the presence of 15ng/ml human IGF-II.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

DEAIHCPPCSEEK-LARCRPPVGCEELVREPGCGCCATCALGLGMP-CGVYTPRCGSGLRCYPPRGVEKPLHTLM-HGQGVCMELAEIEAIQESLQPSDK-DEGDHPNNSFSPCSAHDRRCLQKHFA-KIRDRSTSGGKMKVNGAPREDARPVPQG-SCQSELHRALERLAASQSRTHEDLYIIPIP-NCDRNGNFHPKQCHPALDGQRGKCWCVDRKTG VKLPGGLEPKGELDCHQLADSFREHHHHHH

Endotoxin:

< 0.2 EU/μg, determined by LAL method.

Reconstitution:

Reconstituted in ddH2O or PBS at 100 μg/ml.

Storage:

Lyophilized recombinant human IGF-BP-4 remains stable up to 6 months at -80℃ from date of receipt. Upon reconstitution, human IGF-BP-4, His should be stable up to 1 week at 4℃ or up to 2 months at -20℃.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. For research use only.

Bioworld Technology, Inc.
1660 South Highway 100, Suite 500 St. Louis Park,MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284 Fax: 6122933841

Bioworld technology, co, Ltd.
No 9, weidi road Qixia District Nanjing, 210046, P, R.China.
Email: info@biogot.com
Tel: 0086-025-86371664 Fax:0086-025-86213570