PRODUCT DATA SHEET

Bioworld Technology,Inc.

Recombinant IGF-BP-2, His, Human

Catalog Number: BK0308-10μg   Source: HEK 293   Quantity: 10μg

Description:

IGF-BP-2,also known as Insulin-like growth factor-binding protein 2, IBP-2 and BP-2, is a cysteine-rich secreted protein belonging to the IGF-binding protein superfamily. It is expressed by the central nervous system, bone cells and reproductive tissues. IGF-BP-2 binds to both IGF-I and IGF-II, with a much higher binding affinity to IGF-II than IGF-I. IGF-BP-2 has been shown to inhibitand stimulate the growth promoting effects of IGFs, thus serving as a regulator for IGF distribution, function and activity.

Molecular Weight:

6-20 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 2 μg/ml, measured in a bioassay using FDC-P1 cells in the presence of 15 ng/ml human IGF-II.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

FRCPPCTPERLAACGPPPVAPPAAVAAVAG-GARMPCAELVREPGCGCCSVCARLEGEAC-GVYTPRCGQGLRCYPHPGSELPLQAL-VMGEGTCEKRRDAEYGASPEQVADNG-DDHSEGGLVENHVDSTMNMLGGGGSAGRK-PLKSGMKELAVFREKVTE-QHRQMGKGGKHHLGLEEPKKLRPP-PARTPCQQELDQVLERISTMRLPDERGPLEH-LYSLHIP-NCDKHGLYNLKQCKMSLNGQRGECWCVNPNT GKLIQGAPTIRGDPECHLFYNEQQEAR-GVHTQRMQHHHHHH

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-2, Hisremains stable up to 6 months at -80℃ from date of receipt. Upon reconstitution, human IGF-BP-2, 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.