

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant IGF-BP-2, His, Human

Catalog Number: BK0308-1mg

Source: HEK 293

Quantity: 1mg

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 inhibit and 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:

FRCPPCTPERLAACGPPPVAPPAVAVAAG-

GARMPCAELVREPGCGCCSVCARLEGEAC-
GVYTPRCGQGLRCYPHPGSELPLQAL-
VMGEGTCEKRRDAEY GASPEQVADNG-
DDHSEGLVENHVDSTMNMLGGGGSAGRK-
PLKSGMKELAVFREKVTE-
QHRQMGKGGKHHHLGLEEPKCLRPP-
PARTPCQQELDQVLERISTMRLPDERGPLEH-
LYSLHIP-
NCDKHGLYNLKQCKMSLNGQRGECWCVNPNP
GKLIQGAPTIRGDPECHLFYNEQQEAR-
GVHTQRMQH HHHHHH

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

Usage:

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