# IGF-BP2 Human (BTI-Tn-5B1-4) Hi-5 Insect cells*

## Product Data Sheet

**Type:** Recombinant
**Source:** (BTI-Tn-5B1-4) Hi-5 Insect cells*
**Species:** Human
**Other names:** IBP-2

**Cat. No.:**

| | |
|---|---|
| RBG10189005 | (5 µg) |
| RBG10189020 | (20 µg) |
| RBG10189100 | (100 µg) |

## Description

IGF-BPs controls the distribution, function and activity of IGFs in various cell tissues and body fluids. Currently, there are seven named IGF-BPs that form high affinity complexes with both IGF-I and IGF-II. IGF-BP2 is a cysteine-rich, secreted protein produced by bone cells, and is most abundant in the brain. IGF-BP2 has been shown to inhibit IGF-II action in human breast and ovarian carcinoma cells. Recombinant Human IGF-BP2 is a 31.5 kDa protein consisting of 289 amino acid residues including the IGF-BP domain and thyroglobulin type-I domain.

## Research topic

Apoptosis, Diabetology - Other Relevant Products, Oncology

## Amino Acid Sequence

```
EVLFRCPPCT PERLAACGPP PVAPPAAVAA VAGGARMPCA ELVREPGCGC CSVCARLEGE ACQVYTPRCG QGLRCYPHPG
SELPLQALVM GEGTCEKRRD AEYGASPEQV ADNGDDHSEG GLVENHVDST MNMLGGGGSA GRKPLKSGMK ELAVFREKVT
EQHRQMGKGG KHHLGLEEPK KLRPPPARTP CQQELDQVLE RISTMRLPDE RGPLEHLYSL HIPNCDKHGL YNLKQCKMSL
NGQRGECWCV NPNTGKLIQG APTIRGDPEC HLFYNEQQEA RGVHTQRMQ
```

## Source

(BTI-Tn-5B1-4) Hi-5 Insect cells*

## Purity

98%

## Biological Activity

Determined by its ability to inhibit IGF-I induced proliferation of FDC-P1 cells.

## Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

## Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

## Storage, Stability/Shelf Life

-20°C


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| HEADQUARTERS:<br>BioVendor Laboratorní medicína, a.s. | Karasek 1767/1 | 621 00 Brno<br>CZECH REPUBLIC | Phone: +420-549-124-185<br>Fax: +420-549-211-460 | E-mail:<br><br>Web: | info@biovendor.com<br>sales@biovendor.com<br>www.biovendor.com |
| AUSTRIA:<br>BioVendor GesmbH | Nußdorfer Straße 20/10 | 1090 Vienna<br>AUSTRIA | Phone: +43-1-89090-25<br>Fax: +43-1-89090-2515 | E-mail: | infoAustria@biovendor.com |
| GERMANY, SWITZERLAND:<br>BioVendor GmbH | Otto-Hahn-Straße 16 | 34123 Kassel<br>GERMANY | Phone: +49-6221-433-9100<br>Fax: +49-6221-433-9111 | E-mail: | infoEU@biovendor.com |
| USA, CANADA AND MEXICO:<br>BioVendor LLC | 128 Bingham Rd.<br>Suite 1300 | Asheville, NC 28806<br>USA | Phone: +1-828-575-9250<br>+1-800-404-7807<br>Fax: +1-828-575-9251 | E-mail: | infoUSA@biovendor.com |