

## IGF-BP6 Human (BTI-Tn-5B1-4) Hi-5 Insect cells\*

### Product Data Sheet

<b>Type:</b> Recombinant	<b>Cat. No.:</b>	
<b>Source:</b> (BTI-Tn-5B1-4) Hi-5 Insect cells*	RBG10193005	(5 µg)
<b>Species:</b> Human	RBG10193020	(20 µg)
<b>Other names:</b> IBP-6	RBG10193100	(100 µg)

### Description

IGF-BPs control the distribution, function and activity of IGFs in various cell tissues and body fluids. IGF-BP6, which specifically inhibits IGF-II actions, is produced by bone cells and is the major IGF-BP present in cerebrospinal fluid. IGF-BP6 has been shown to inhibit IGF-II-dependent cancers such as neuroblastoma, colon cancer and rhabdomyosarcoma. Recombinant Human IGF-BP6 has a calculated mass of 22.3 kDa and consists of 213 amino acid residues, including the IGF-BP domain and thyroglobulin type-I domain. Recombinant Human IGF-BP6 migrates at an apparent molecular weight of approximately 23.0-30.0 kDa by SDS-PAGE analysis under non-reducing conditions.

### Research topic

Apoptosis, Diabetology - Other Relevant Products, Oncology

### Amino Acid Sequence

RCPGCGQGVQ AGCPGGCVVEE EDGGSPAEGC AEAEGCLRRE GQECGVYTPN CAPGLQCHPP KDDEAPLRAL LLGRGRCLPA  
RAPAVAEENP KESKPQAGTA RPQDVNRRDQ QRNPGTSTTP SQPNSAGVQD TEMGPCRRHL DSVLQQLQTE VYRGAQTLYV  
PNCDHRGFYR KRQCRSSQGQ RRGPCWCVDR MGKSLPGSPD GNGSSCPTG SSG

### Source

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

### Purity

95%

### Biological Activity

Determined by its ability to inhibit IGF-II induced proliferation of human MCF-7 cells. The expected ED<sub>50</sub> for this effect is 0.1-0.4 µg/ml.

### 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

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