



# GroPep Bioreagents

## Human IGFBP-2

### Description

Human Insulin-like growth factor binding protein-2 (IGFBP-2) is a 290 amino acid glycoprotein which is a member of a family of six circulating proteins that bind IGF-I and IGF-II with high affinity and modulate their metabolic and mitogenic effects. IGFBP-2 binds IGF-II with a higher affinity than IGF-I and regulates its biological activity and bioavailability at the cellular level. GroPep IGFBP-2 has a FLAG epitope at the C terminus of the protein.

### References

Zapf J (1995) European Journal of Endocrinology **132**, 645-654  
Clemmons DR (1998) Molecular and Cellular Endocrinology **140**, 19-24  
Lucic MR (1998) Journal of Biotechnology **61**, 95-108

### Source:

Expressed in a mammalian cell expression system and purified by a series of chromatography steps.

### Molecular Weight:

32.4 kDa (including the FLAG sequence).

### Purity:

>95 % (by HPLC analysis).  
Single species detected by Western ligand blotting using biotinylated IGF-II

### Endotoxin:

< 0.1 EU/ $\mu$ g

### Appearance:

White powder freeze-dried from phosphate buffered saline.

### Storage/Stability:

At least 2 years at 2-4°C (as a freeze dried product).

### Reconstitution:

*Handling of GroPep IGF binding proteins 1-6.*

### Detection:

*Procedure for Western ligand blotting using biotinylated IGF-I or IGF-II.*

### Product Codes and Pricing

#### Human IGFBP-2

**100  $\mu$ g**

**BP2BU100**

#### Related Products:

Human IGFBP-1  
Human IGFBP-5

Human IGFBP-3  
Human IGFBP-6

Human IGFBP-4

**\*\*NOT FOR USE IN HUMANS\*\***

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