

# GroPep Bioreagents

## Bovine IGFBP-2

### Description

Bovine Insulin-like growth factor binding protein-2 (IGFBP-2) is a 284 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.

### References

Szabo L *et al* (1988) Biochemical and Biophysical Research Communications **151**, 207-214  
 Upton FZ *et al* (1990) Journal of Molecular Endocrinology **5**, 77-84  
 Bourner MJ *et al* (1992) Journal of Cellular Biochemistry **48**, 215-226

### Source:

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

### Molecular Weight:

30.8 kDa

### Purity:

>95 % (by HPLC)  
 Single species detected by Western Ligand blotting

### Biological Activity:

IGF-I binding assay: ED<sub>50</sub> < 10 nM

### Endotoxin:

< 0.1 EU/μg

### Appearance:

White powder freeze-dried from 0.1M acetic acid and stored under nitrogen at a slight vacuum.

### 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 iodinated IGF-I or IGF-II*  
*Procedure for Western Ligand blotting using biotinylated IGF-I or IGF-II*

### Product Codes and Pricing

#### Bovine IGFBP-2

100 μg

BP2A1U100

### Related Products:

Human IGFBP-2  
 IGFBP-2 polyclonal antibody

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

GroPep Bioreagents Pty Ltd  
 51 West Thebarton Road  
 Thebarton SA 5031  
 Australia

ABN 93 147 032 166

Telephone: +61 8 7222 1051

Postal Address:  
 PO Box 10065  
 Adelaide Business Centre  
 SA 5000  
 Australia

Email:  
[info@gropep.com](mailto:info@gropep.com)

Internet:  
[www.gropep.com](http://www.gropep.com)