

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/μg

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 μg

BP2BU100

Related Products:

Human IGFBP-1
 Human IGFBP-5

Human IGFBP-3
 Human IGFBP-6

Human IGFBP-4

****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

Internet:
www.gropep.com