



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: ED₅₀ < 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

Internet:
www.gropep.com