



GroPep® Bioreagents

Biotinyl human IGF-I

Description

Biotinyl human insulin-like growth factor-I (biotinyl IGF-I) is made by reacting human IGF-I with Sulfo-NHS-Biotin reagent to label the primary amines of the IGF-I molecule. A mixture of biotinylated forms are produced, the major species being di-biotinyl IGF-I. Biotinyl IGF-I has been prepared with a spacer to minimize steric hindrance during subsequent avidin binding.

Reference

Grulich-Henn J *et al* (1998) Hormone Research 49, 1-7

Source:

Produced in *E.coli*.

Molecular Weight:

The predominant species is di-biotinyl IGF-I (8327 daltons). Mono-biotinyl IGF-I (7988 daltons) and tri-biotinyl IGF-I (8683 daltons) are also present

Purity:

Human IGF-I (Receptor grade) (>95 % by HPLC analysis) was the source material

Biological Activity:

Western ligand blotting of IGFBP-2

Appearance:

White powder freeze-dried from acetonitrile/0.1% TFA 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-I, IGF-II and IGF analogues

Detection:

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

Product Codes:

Biotinyl human IGF-I

50 µg	AQU050
100 µg	AQU100
500 µg	AQU500

Related Products:

Mono-biotinyl human IGF-II (Receptor Grade)
Di-biotinyl human IGF-II (Receptor Grade)
Human IGF-I (Receptor Grade)
Human IGF-I (Media Grade)
Human IGFBP-2

****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