

distributed in the US/Canada by:
EAGLE BIOSCIENCES, INC.
20A NW Blvd, Suite 112 Nashua, NH 03063
Phone: 617-419-2019 FAX: 617-419-1110
www.eaglebio.com • info@eaglebio.com



GroPep Bioreagents



Human [Leu²⁷] IGF-II

Description

Human [Leu²⁷] insulin-like Growth Factor-II ([Leu²⁷] IGF-II) is an analogue of human IGF-II which has a Leucine substitution in place of Tyrosine at position 27 of the human IGF-II sequence. [Leu²⁷]IGF-II has normal binding to acid-stripped human serum binding proteins but has a 10-20 fold reduction in binding to the type 1 IGF receptor compared to IGF-II. It is a useful analogue for studying the effects of IGF-II through non-type 1 receptor binding mechanisms.

References

Sakano K *et al* (1991) Journal of Biological Chemistry **266**, 20626-20635
Bach LA *et al* (1993) Journal of Biological Chemistry **268**, 9246-9254

Source:

Produced in *E.coli*.

Molecular Weight:

7420 daltons

Purity:

>90 % (by HPLC analysis)

N-terminal sequence:

Analysis of 5 residues

Biological Activity:

IGF type 1 receptor binding assay (ED₅₀ > 175 ng/ml)
IGF type 2 receptor binding assay (ED₅₀ < 370 ng/ml)
IGF binding protein assay: ED₅₀ < 10 ng/ml)

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-I, IGF-II and IGF analogues

Product Codes and Pricing

Human [Leu²⁷] IGF-II

100 μg

TU100

Related Products:

Human [Leu²⁴] IGF-I
Human [Leu⁶⁰] IGF-I
Human [Ala³¹] [Leu⁶⁰] IGF-I
Human [Leu²⁴] [Ala³¹] IGF-I

****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