



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****

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