

Human [Arg⁶] IGF-II

Description

Human [Arg⁶] insulin-like Growth Factor-II ([Arg⁶] IGF-II) is an analogue of human IGF-II which has an Arginine substitution in place of Glutamic acid at position 6 of the human IGF-II sequence. [Arg⁶]IGF-II exhibits reduced affinity for IGF binding proteins (IGFBPs) compared with human IGF-II and has a slightly greater affinity than Des [1-6] IGF-II for the type 2 IGF receptor.

References

Francis GL *et al* (1993) Biochemical Journal **293**, 713-719

Source:

Produced in *E.coli*.

Molecular Weight:

7469 daltons

Purity:

>95 % (by HPLC analysis)

N-terminal sequence:

Analysis of 7 residues

Biological Activity:

Stimulation of protein synthesis in rat L6 myoblasts
(ED₅₀ <100 ng/ml)
IGF type 2 receptor binding assay (ED₅₀ < 100 ng/ml)
IGF binding protein assay: ED₅₀ > 1000 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:

Human [Arg⁶] IGF-II

20 μg

GU020

Related Products:

Human IGF-II
Human Des [1-6] IGF-II
Human [Arg³] IGF-I

****NOT FOR USE IN HUMANS****

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