

IGF2

Recombinant Human IGF-II [Arg6], Receptor Grade

Catalog No.	GU020	Quantity:	20 µg
Alternate Names:	IGF-2, Insulin-like growth factor II, Somatomedin A		
Description:	Human [Arg6] insulin-like Growth Factor-II ([Arg6] IGF-II) is an analog 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.		
UniProt ID:	P01344		
Gene ID:	3481		
Source:	Expressed in <i>E.coli</i>		
Molecular Weight:	7469 Da		
Purity:	> 95% by HPLC		
Endotoxin Level:	< 0.1 EU/µg.		
State/Appearance:	Lyophilized white powder dried from 0.1 M acetic acid and stored under nitrogen at a slight vacuum.		
Biological Activity:	Stimulation of protein synthesis in rat L6 myoblasts (ED ₅₀ < 100 ng/ml) IGF type 2 receptor binding assay (ED ₅₀ < 100 ng/ml) IGF binding protein assay (ED ₅₀ > 1000 ng/ml)		
Amino Acid Sequence:	Confirmed N-terminal 7 residues		
Reconstitution:	See Protocol 1000, Handling of IGF-I, IGF-II and IGF analogs.		
Storage & Stability:	Lyophilized protein is stable at 2-8°C for up to 1 year. Avoid repeated freeze-thaw cycles.		

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