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IGF2

Recombinant Human Insulin-like Growth Factor-II [Leu27], Receptor Grade

Catalog No.	TU020 TU100	**Quantity:**	20 µg 100 µg
Alternate Names:	IGF-II, IGF-2		
Description:	Human [Leu27] insulin-like Growth Factor-II ([Leu27] IGF-II) is an analog 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 analog for studying the effects of IGF-II through non-type 1 receptor binding mechanisms.		
UniProt ID:	P01344		
Gene ID:	3481		
Source:	Expressed in *E. coli*		
Molecular Weight:	7,420 Da		
Formulation:	Lyophilized from 0.1 M acetic acid under dry N_2 at a slight vacuum (- 25 kPa).		
Purity:	> 90% by HPLC analysis		
Endotoxin Level (LAL):	< 0.1 EU/µg		
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)		
Amino Acid Sequence:	N-terminal 5 residues confirmed.		
Reconstitution:	See Protocol 1000, Handling of IGF-I, IGF-II and IGF analogs		
Storage & Stability:	Store as supplied for up to 1 year at 2-8°C		

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