

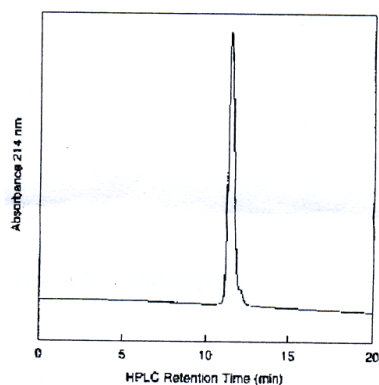
IGF2

Recombinant Human IGF-II Des(1-6) Receptor Grade

Catalog No.	MU020 MU100 MM001	Quantity:	20 µg 100 µg 1.0 mg
Alternate Names:	Insulin-like growth factor II		
Description:	Human Des [1-6] insulin-like Growth Factor-II (IGF-II) is a 61 amino acid analog of human IGF-II lacking the N-terminal hexapeptide Ala-Tyr-Arg-Pro-Ser-Glu. Human Des [1-6] IGF-II is more potent than IGF-II in vitro and in vivo. This increased potency is due to reduced binding of human Des [1-6] IGF-II to most of the IGF binding proteins which modify the biological actions of IGF-II. Human Des [1-6] IGF-II binds to both the type 1 and type 2 IGF receptors with similar affinity to wild type IGF-II. This is a high quality research reagent for use in studies on cell growth, IGF receptors and IGF binding proteins.		
UniProt ID:	P01344		
Gene ID:	3481		
Source:	Expressed in <i>E. coli</i>		
Molecular Weight:	6,765 Da		
Formulation:	Lyophilized from 0.1 M acetic acid under dry N ₂ at a slight vacuum		
Purity:	> 95% by HPLC		
Endotoxin Level:	< 0.1 EU/µg		
Biological Activity:	Stimulation of protein synthesis in rat L6 myoblasts: ED ₅₀ <75 ng/ml IGF type 1 receptor binding assay: ED ₅₀ < 50 ng/ml IGF type 2 receptor binding assay: ED ₅₀ < 30 ng/ml IGF binding protein assay: ED ₅₀ > 1000 ng/ml		
Amino Acid Sequence:	N-terminal sequence analysis of recombinant product: 5 residues, single sequence confirmed.		
Reconstitution:	See Protocol #1000 attached to this datasheet.		
Storage & Stability:	Store as supplied at 2-8°C for up to 1 year. For long term, aliquot and store at -20°C. Avoid repeated freeze-thaw cycles.		



Reverse-phase, C₄ 2.1 mm x 10 cm column.
Linear gradient 15-45% acetonitrile in H₂O, 0.1% trifluoroacetic acid.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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