

proIGF-II (aa 1-104) Recombinant Human (Receptor Grade)

Catalog No:	AZU020 AZU100 AZM001	Quantity:	20 µg 100 µg 1.0 mg
Description:	<p>The IGF-II gene encodes a single transcript which results in an 156 amino acid protein, including an 89 amino acid E-domain. ProIGF-II contains sites of O-linked glycosylation. ProIGF-II is converted to mature IGF-II by sequential cleavage after amino acids 104, 87 and 67. Differential glycosylation and cleavage within the E-domain can therefore result in multiple proIGF-II isoforms.</p> <p>The proIGF-II proteins make up 10-20% of circulating IGF-II. ProIGF-II proteins are secreted by some tumor cell lines and levels are elevated in non-islet cell tumor hypoglycemia.</p>		
References:	Duguay, S.J. <i>et al.</i> (1998) J Biol. Chem. 273 , 18443-18451.		
Source:	Produced recombinantly in <i>E. coli</i> .		
Purity:	Greater than 95 % (by HPLC and N-terminal sequence analysis)		
Molecular Weight:	11.949 kDa – confirmed by Mass Spectrometry.		
N-terminal sequence analysis:	5 residues Greater than 95 % single sequence.		
Biological Activity:	Stimulation of protein synthesis in rat L6 myoblasts.		
Endotoxin:	Less than 0.1 EU/ µg.		
State and appearance:	Lyophilized white powder. Dried from 0.1 M acetic acid and stored under dry nitrogen at a slight vacuum (-25 kPa)		
Storage/Stability:	At least 2 years at 2 - 4°C (lyophilized)		
Reconstitution:	Refer to Protocol 1000 : Handling of GroPep IGF-I, IGF-II and IGF Analogs.		
Other Protocols:	Refer to Protocol 3009 : Procedure for Western Immunoblotting human ProIGF-II		

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