

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

Catalog No:	AZU100
Size:	100 µg
Description:	The IGF-II gene encodes a single transcript which results in a 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. 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.
References:	Duguay, S.J. <i>et al.</i> (1998) J Biol. Chem. 273 , 18443-18451.
Source:	Produced recombinantly in <i>E. coli</i> .
Purity:	>95% by HPLC and N-terminal sequence.
Molecular Weight:	11949 Da
N-terminal sequence analysis:	5 residues - >95% single sequence.
Biological Activity:	Stimulation of protein synthesis in rat L6 myoblasts.
Endotoxin:	<0.1 EU/ug
State and Appearance:	Lyophilized white powder. Dried from 0.1M acetic acid under dry nitrogen at a slight vacuum.
Storage/Stability:	At least 2 years at 2-4C (lyophilized).
Detection:	By Western blot.
Reconstitution:	<u>#1000: Handling of IGF-I, IGF-II and IGF Analogs</u>
Protocol:	<u>#3009: Procedure for Western Immunoblotting human ProIGF-II</u>
Related Products:	<u>Human proIGF-II (aa 1-156)</u> , Catalog No: AHU020, size: 20 µg or Catalog No: AHU100, size: 100 µg <u>Anti-Human IGF-II E, (aa 138 - 156)</u> , Catalog No: PAAX1, size: 100 µl <u>Anti-Human IGF-II E, (aa 89 - 101)</u> , Catalog No: PAAY1, size: 100 µl <u>Anti-Human IGF-II E, (aa 78 - 88)</u> , Catalog No: PAAZ1, size: 100 µl

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