

IGF1

Recombinant Human IGF-I Biotin-labeled, Receptor Grade

Catalog No.	AQU050 AQU100 AQU500	Quantity:	50 µg 100 µg 0.5 mg
Alternate Names:	Insulin-like growth factor I IGF-1, Mechano growth factor, MGF, Somatomedin-C		
Description:	Biotinyl human insulin-like growth factor-I (biotinyl IGF-I) is made by reacting correctly folded, receptor grade human IGF-I with Sulfo-NHS-Biotin reagent to label the primary amines of the IGF-I molecule. A mixture of biotinylated forms are produced, the major species being di-biotinyl IGF-I. Biotinyl IGF-I has been prepared with a spacer to minimize steric hindrance during subsequent avidin binding.		
Gene ID:	3479		
UniProt ID:	P05019		
Source:	<i>E. coli</i> expressed		
Molecular Weight:	8327 Da, di-biotinyl, predominant species 7988 Da mono-biotinyl 8683 Da tri-biotinyl		
Formulation:	Lyophilized from Acetonitrile, 0.1% TFA, sealed under dry nitrogen at a slight vacuum (~25 kPa)		
Purity:	High purity, receptor grade IGF-I (> 95% by HPLC) was used as the source material for biotinylation.		
Reconstitution:	Dissolve contents of vial in 10 mM HCl at a concentration of ≥ 0.1 mg/ml. Inclusion of a carrier protein such as RIA grade BSA is recommended.		
Storage & Stability:	Store unopened lyophilized vial for at least 2 years at 2-8°C. Store reconstituted protein in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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