



Certificate of Analysis

IGF-I Protein, Salmon

Cat. No.:	HY-P701241
Batch No.:	417666
Species:	Others
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	Q02815 (G45-A114)
Gene ID:	100136741
Molecular Weight:	Approximately 8 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method	PASS
Biological Activity	Measure by its ability by a dose-response proliferation assay using human FDC-P1 cells. The ED50 for this effect is <15 ng/mL. The specific activity of this protein is $> 6.7 \times 10^4$ IU/mg. (It is recommended to experimentally determine the optimal concentration for each specific application by performing a dose response assay.)	<15 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

Caution: Product has not been fully validated for medical applications. For research use only.

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