



Certificate of Analysis

IGFBP-2 Protein, Human (HEK293, His)

Cat. No.:	HY-P7368
Batch No.:	253246
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	P18065 (F40-Q325)
Gene ID:	3485
Molecular Weight:	Approximately 34.26 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	97.83%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit the biological activity of IGF-II on MCF-7 human breast cancer cells. The ED ₅₀ for this effect is 0.1501 μg/ml in the presence of 14 ng/mL rhIGF-II, corresponding to a specific activity is 6.662×10 ³ units/mg.	PASS
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. 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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