



Certificate of Analysis

IGFBP-6 Protein, Rat (HEK293, His)

Cat. No.: HY-P73905
Batch No.: 342097
Species: Rat
Source: HEK293
Tag: C-6*His
Accession: P35572/NP_037236.1 (A26-G226)
Gene ID: 25641
Molecular Weight: Approximately 25-30 kDa due to the glycosylation

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit the biological activity of IGF-I on MCF 7 human breast cancer cells. The ED ₅₀ for this effect is 0.1026 μg/mL, corresponding to a specific activity is 9746.5887 U/mg.	0.1026 μg/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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