



Certificate of Analysis

Insulin Protein, Human (P.pastoris)

Cat. No.:	HY-P73243
Batch No.:	394304
Species:	Human
Source:	<i>P. pastoris</i>
Tag:	Tag Free
Accession:	P01308 (F25-K53&G90-N110)
Gene ID:	3630
Molecular Weight:	Approximately 6 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a serum-free cell proliferation assay using MCF-7 <i>human breast cancer cells</i> and the ED_{50} is typically 0.2-1 μg/mL.	0.2-1 μg/mL
Appearance	Solution	
Concentration	1.87 mg/mL	
Reconstitution	N/A.	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice	

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

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