



Certificate of Analysis

Neurotrophin-4 Protein, Human

Cat. No.:	HY-P7272
Batch No.:	345713
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P34130 (G81-A210)
Gene ID:	4909
Molecular Weight:	Approximately 17 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<0.3 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Human Neurotrophin-4 is present at 5 μg/mL, can bind Recombinant Mouse TrkB. The ED ₅₀ for this effect is 8.676 ng/mL.	PASS
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O or 50 mM acetic acid. 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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