



Certificate of Analysis

NRG1-beta 1 Protein, Human

Cat. No.:	HY-P7365
Batch No.:	411006
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	Q02297-6 (S177-E241)
Gene ID:	3084
Molecular Weight:	Approximately 8 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 human breast cancer cells. The ED ₅₀ this effect is ≤ 2.158 ng/mL, corresponding to a specific activity is ≥ 4.6339×10 ⁵ units/mg.	0.1027 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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