



Certificate of Analysis

NRG1-beta 1 Protein, Human (245a.a, HEK293, Fc)

Cat. No.:	HY-P73329
Batch No.:	279407
Species:	Human
Source:	HEK293
Tag:	N-hFc
Accession:	Q02297-6 (S2-K246)
Gene ID:	3084
Molecular Weight:	58-83 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	≥95.0%
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 0.1087-7.029 ng/mL, corresponding to a specific activity is 1.4227×10 ⁵ - 9.20×10 ⁶ units/mg.	1.232 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. 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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