



Certificate of Analysis

HER4 Protein, Rat (HEK293, His)

Cat. No.:	HY-P73037
Batch No.:	293801
Species:	Rat
Source:	HEK293
Tag:	C-His
Accession:	Q62956 (Q26-P651)
Gene ID:	59323
Molecular Weight:	75-95 kDa

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 Neuregulin-1-beta 1 on MCF-7 human breast cancer cells. The ED_{50} for this effect is 3.464 μg/mL in the presence of 10 ng/mL. Recombinant Human NRG1-beta1, corresponding to a specific activity is 288.6836 units/mg.	3.464 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. 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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