



Certificate of Analysis

HER2/CD340 Protein, Rat (HEK293, His)

Cat. No.:	HY-P74895
Batch No.:	262266
Species:	Rat
Source:	HEK293
Tag:	C-10*His
Accession:	AAH61863 (M4-T656)
Gene ID:	24337
Molecular Weight:	Approximately 91 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.	<1 EU/μg
Biological Activity	Measured by its ability to block anti-ErbB2 mediated inhibition of SK-BR-3 human breast cancer cell proliferation. The ED ₅₀ this effect is ≤1.043 μg/mL in the presence of 0.6 μg/mL Trastuzumab, corresponding to a specific activity is ≥9.59×10 ² units/mg.	0.2392 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. 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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