



Certificate of Analysis

Animal-Free RSP01/R-spondin-1 Protein, Human (243a.a, HEK293, His, SUMO)

Cat. No.:	HY-P700253AF
Batch No.:	278619
Species:	Human
Source:	HEK293
Tag:	N-SUMO
Accession:	Q2MKA7-1 (S21-A263)
Gene ID:	284654
Molecular Weight:	Approximately 65 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	R-Spondin-1 enhances BMP-2-mediated differentiation of MC3T3-E1 cells. The ED ₅₀ for this effect is 1-3 μg/mL.	1-3 μg/mL
Appearance	Solution.	
Concentration	0.126 mg/mL	
Reconstitution	N/A.	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice	

Caution: Product has not been fully validated for medical applications. For research use only.

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