



Certificate of Analysis

TLR3 Protein, Human (HEK293, His)

Cat. No.:	HY-P77859
Batch No.:	412465
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	Q6PCD4 (S23-E703)
Gene ID:	/
Molecular Weight:	Approximately 90-130 kDa due to the glycosylation.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by Tris-Bis PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit poly I:C induced IL-8 secretion by HEK293 human embryonic kidney cells transfected with TLR3. The ED ₅₀ for this effect is 4.109 μg/mL, corresponding to a specific activity is 243.368 U/mg in the presence of 0.2 μg/mL of poly I:C.	4.109 μg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in sterile distilled water.	
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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