



# Certificate of Analysis

## Apolipoprotein E/APOE2 Protein, Human (R154S, R176C, HEK293, C-His)

Cat. No.:	HY-P701094
Batch No.:	406894
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P02649 (K19-H317, R154S, R176C)
Gene ID:	348
Molecular Weight:	Approximately 33-42 kDa due to the glycosylation

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using SH-SY5Y Human neuroblastoma cells. The ED <sub>50</sub> this effect is ≤8.753 ng/mL. corresponding to a specific activity is ≥1.14×10 <sup>5</sup> units/mg.	4.441 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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 (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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