



# Certificate of Analysis

## Kirrel1/NEPH1 Protein, Human (HEK293, His)

Cat. No.:	HY-P76468
Batch No.:	263611
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	Q96J84 (M1-L493)
Gene ID:	55243
Molecular Weight:	Approximately 53.5 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 the ability of the immobilized protein to support the adhesion of MS1 mouse pancreatic islet endothelial cells. When cells are added to KIRREL coated plates (15 μg/mL, 100 μL/well), > 20% will adhere specifically after 90 minutes at 37 °C.	41%
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.	
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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