



Certificate of Analysis

NBL1 Protein, Human (HEK293, His)

Cat. No.:	HY-P74736
Batch No.:	316585
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	P41271 (A17-D181)
Gene ID:	100532736/4681
Molecular Weight:	Approximately 25 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 its ability to inhibit BMP-4-induced activity in MC3T3-E1 mouse preosteoblast cells. The ED_{50} for this effect is 0.3530 μg/mL in the presence of 50 ng/mL of rhBMP-4, corresponding to a specific activity is 2.833×10^3 U/mg.	0.3530 μg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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 (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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