



Certificate of Analysis

Noggin Protein, Human (HEK293)

Cat. No.:	HY-P70558
Batch No.:	415041
Species:	Human
Source:	HEK293
Tag:	Tag Free
Accession:	Q13253 (Q28-C232)
Gene ID:	9241
Molecular Weight:	Approximately 28-32 kDa due to the glycosylation

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit BMP-4-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED ₅₀ for this effect is 3.0 ng/mL in the presence of 30 ng/mL of Recombinant Human BMP-4, corresponding to a specific activity is 3.33×10 ⁵ units/mg.	3 ng/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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