



Certificate of Analysis

Noggin Protein, Mouse (CHO)

Cat. No.:	HY-P7086
Batch No.:	425635
Species:	Mouse
Source:	CHO
Tag:	Tag Free
Accession:	P97466 (L20-C232)
Gene ID:	18121
Molecular Weight:	Approximately 28-31 kDa due to the glycosylation.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	97.00%
Endotoxin Level	<0.2 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 ≤0.01 μg/mL in the presence of 30 ng/mL of Recombinant Human BMP-4, corresponding to a specific activity is ≥1×10 ⁵ units/mg.	0.0868 μg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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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