

Human Noggin (glycosylated, InCs)

Synonyms: SYM1, SYNS1, NOG.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1750.952.002		
10 µg	1750.952.010		
1 mg	1750.952.199		

Please enquire for bulk quantities and other vial sizes

Description

Noggin produced in Sf9 Baculovirus cells is a glycosylated homodimer containing 205 amino acids and having a molecular mass of 47.9kDa under non-reducing conditions. (Molecular size on SDS-PAGE will appear at approximately 50-80kDa).

- **Source** Insect cells
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4 and 0.02 % Tween-20 and 5% trehalose*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

Measured by its ability to inhibit BMP-4-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells was found to be 0.04-0.2 µg/mL in the presence of 50 ng/mL of Recombinant Human BMP-4.

Reconstitution

It is recommended to reconstitute the lyophilized Noggin in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized Noggin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Noggin should be stored at 4°C between 2-7 days and for future use below -18°C. **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

QHYLEHIRPAP SDNLPLVDLI EHPDPIFDPK EKDLNETLLR SLLGGHYDPG FMATSPPEDR PGGGGGAAGG
AEDLAELDQL LRQRPSGAMP SEIKGLEFSE GLAQGKKQRL SKKLRRLQOM WLWSQTFQCPV LYAWNDLGSR
FWPRYVKVGS CFSKRSCSVP EGMVCKPSKS VHLTIVLRWRC QRRGGQRCGW IPIQYPIISE CKCSC

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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