



Recombinant Human Noggin
rHuNoggin

Catalog number: HZ-6525

Lot: CHI-121407

Specifications and Use

- Source** ● *Escherichia coli*.
- Molecular Mass** ● Approximately 46kDa.
- Purity** ● >95%, as determined by SDS-PAGE and HPLC method.
- Biological Activity** ● Determined by its ability to inhibit rhBMP-4 induced alkaline phosphatase production by ATDCS cells. The ED₅₀ is typically 0.01-0.02 µg/mL in the presence of 5ng/mL of rhBMP-4.
- Endotoxin Level** ● Less than 1EU/µg of the rHuNoggin as determined by LAL method.
- Formulation** ● Lyophilized from PBS.
- Solubility** ● It is recommended to reconstitute the lyophilized noggin in sterile ddH₂O not less than 100µg/mL.
- Stability** ● Lyophilized samples are stable for greater than six months from date of receipt at -20°C to -70°C.
● Upon reconstitution, this cytokine can be stored under sterile conditions at 4 °C for one month without detectable loss of activity.
● Avoid repeated freeze/thaw
- Usage** ● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.

Human Fibroblast Growth Factor-basic

Noggin belongs to a group of diffusible proteins which bind to ligands of TGF-beta family and regulate their activity by inhibiting their access to signaling receptors. Noggin is essential for cartilage morphogenesis and joint formation, and is inhibitor of bone morphogenetic proteins (BMP) signaling which is required for growth and patterning of the neural tube and somite.