

# Recombinant Human Noggin

Catalog Number: Y03301

## Characteristics:

<b>Source</b>	Chinese Hamster Ovary cell line
<b>Description</b>	Human Noggin (Gln28-Cys232) Accession # Q13253
<b>Predicted molecular mass</b>	23 kDa

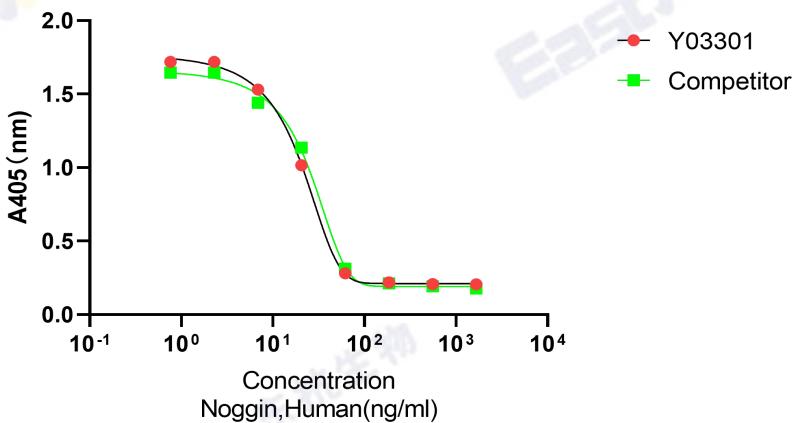
## Specification:

<b>Appearance</b>	White powder, Colorless clear liquid after reconstitution
<b>Purity</b>	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
<b>Endotoxin</b>	≤10 EU/mg by the LAL method
<b>Activity</b>	Determined by its ability to inhibit 5.0 ng/ml of BMP-4 induced alkaline phosphatase production by ATDC-5 chondrogenic cells. The expected ED <sub>50</sub> for this effect is 2.0-3.0 ng/ml of Noggin.
<b>Formulation</b>	Lyophilized from a 0.22 μm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
<b>Size</b>	50 μg/vial, 1 mg/vial

## Handling and Storage:

<b>Reconstitution</b>	It is recommended to redissolve in sterile deionized water.
<b>Shipping</b>	The product is shipped with blue ice.
<b>Storage &amp; Stability</b>	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution

**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**

**Data:****Bioactivity**

Measured by its ability to inhibit 5.0 ng/ml of BMP-4 induced alkaline phosphatase production by ATDC-5 chondrocytic cells. The activity of Recombinant Human Noggin (Cat No.Y03301) is equivalent to competitor.

**Bioactivity**