

# Recombinant Human Noggin

Catalog Number: Y03301

## Characteristics:

**Source** Chinese Hamster Ovary cell line

**Description** Human Noggin (Gln28-Cys232)  
Accession # Q13253

**Predicted molecular mass** 23 kDa

## Specification:

**Appearance** White powder, Colorless clear liquid after reconstitution

**Purity**  $\geq 95\%$ , by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)

**Endotoxin**  $\leq 10$  EU/mg by the LAL method

**Activity** 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.

**Formulation** Lyophilized from a 0.22  $\mu$ m-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

**Size** 50  $\mu$ g/vial, 1 mg/vial

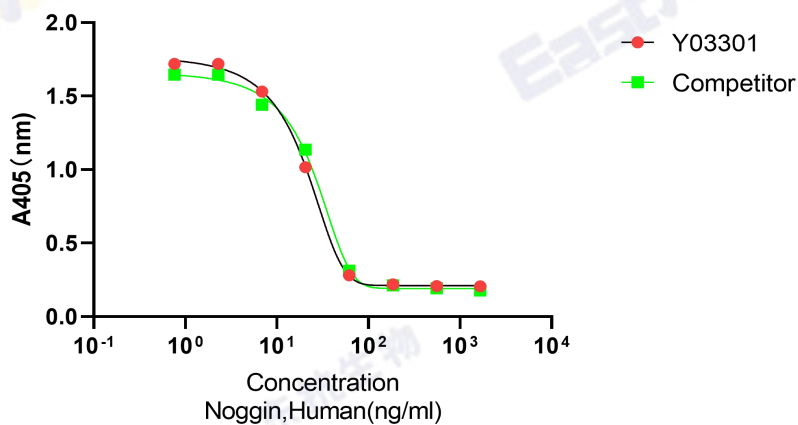
## Handling and Storage:

**Reconstitution** It is recommended to redissolve in sterile deionized water.

**Shipping** The product is shipped with blue ice.

**Storage & Stability** 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**