
Recombinant Human Noggin

Catalog Number : mly03301

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 ≤ 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 ED₅₀ for this effect is 2.0-3.0 ng/ml of Noggin.

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

Size 50 μ g/vial, 1 mg/vial

Handling and Storage:

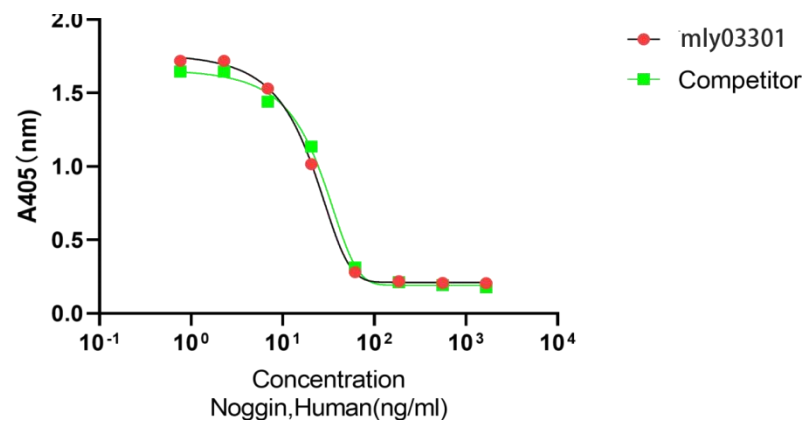
Reconstitution It is recommended to redissolve in sterile deionized water.

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 mly03301) is equivalent to competitor.

Bioactivity

