

Datasheet for ABIN7275358

**NOG Protein****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	NOG
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant

## Product Details

Sequence:	Gln28-Cys232
Purity:	> 95% as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	NOG
Alternative Name:	Noggin ( <a href="#">NOG Products</a> )
Background:	Noggin, NOG, SYM1, SYNS1, Noggin is an antagonist of bone morphogenetic proteins (BMP), being indispensable for certain developmental events. Noggin expression positively correlated with EGFR expression in both GC cell line models and The Cancer Genome Atlas human GC cohort. Targeting EGFR and its downstream pathways diminished cell proliferation which was promoted by Noggin. Noggin promotes the proliferation of GC cells by upregulating EGFR and enhancing a vicious circle formed by $\beta$ -catenin, EGFR, ERK and Akt.

## Target Details

Molecular Weight: 23.05 kDa. Due to glycosylation, the protein migrates to 30-36 kDa based on Tris-Bis PAGE result.

UniProt: [Q13253](#)

Pathways: [Stem Cell Maintenance](#), [Tube Formation](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

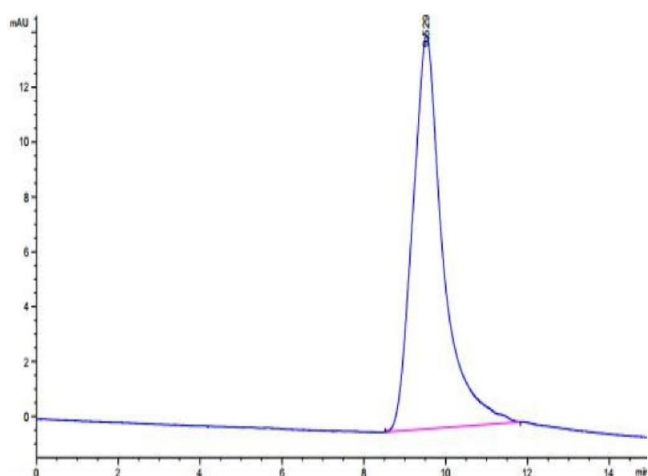
Buffer: Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: 4 °C,-80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

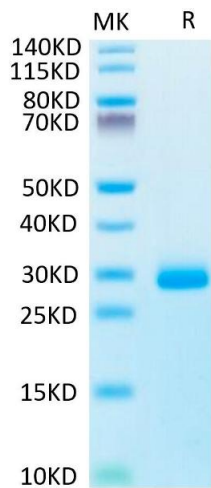
Expiry Date: 12 months

## Images



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Human Noggin is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

**Image 2.** Human Noggin on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .