

Recombinant Human Noggin

Catalog Number: **HZ-1118**

HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	human
Expression	HEK293
Activity	Typically ≤ 15 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	65 kDa, homodimer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	9241

Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage

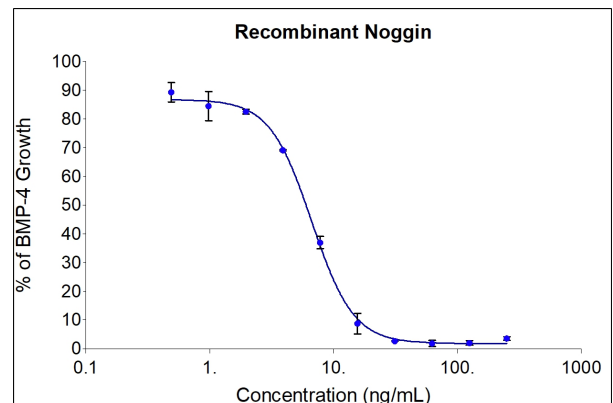
Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

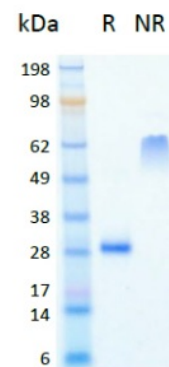
Animal-free Recombinant Human Noggin is expressed in an engineered human 293 cell expression system with serum-free, chemically defined media. The protein is a highly stable, authentically glycosylated, disulfide linked dimer. Recombinant Human Noggin is a 46 kDa disulfide-linked homodimer (120-10C) consisting of two 206 amino acid polypeptide chains. Monomeric glycosylated Noggin migrates at an apparent molecular weight of approximately 28.0-33.0 kDa by SDS-PAGE analysis under reducing conditions.

Synonyms

NOG, noggin, SYM1, SYNS1



The activity was determined by the dose dependent inhibition of rh-BMP-4 induced alkaline phosphatase production by ATDC5 cells using pNPP as chromogenic substrate.



The protein was resolved by SDS polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

For technical support and original validation data for this product please contact:

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