

Recombinant Human Noggin

Product Description

- Endotoxin-free
- Animal-derived product free
- Available in Bulk
- Lyophilized and Carrier Free (CF)
- Increased Stability, High Purity

Xeno-free 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 (I20-I0C) 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.

Typical Specifications

Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 25 ng/mL EC ₅₀
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	65 kDa, homodimer, glycosylated
Formulation	1x PBS

Purity Confirmation

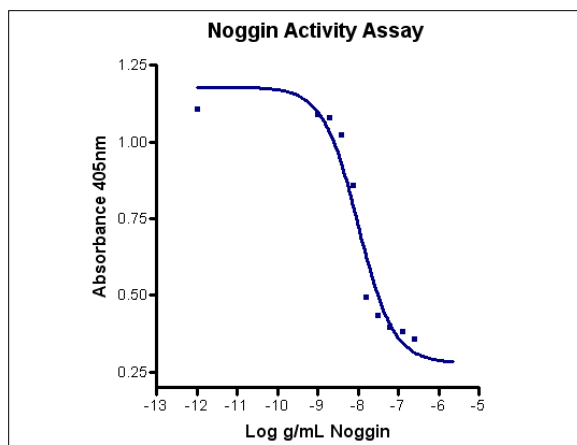
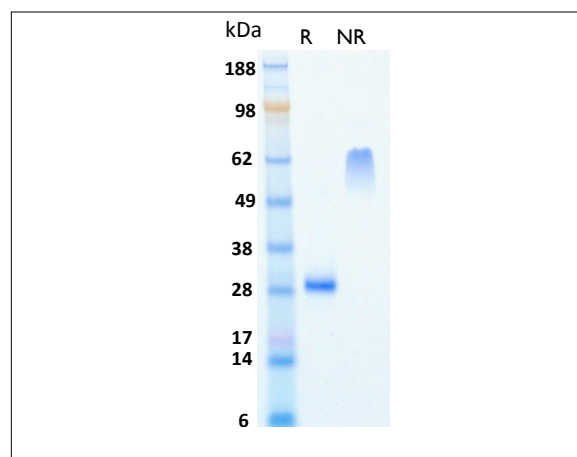
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Activity Assay

The activity was determined by the dose dependent inhibition of rh-BMP-4 induced alkaline phosphate production by ATDC5 cells.



All HumaXpress® HumanKine™ cytokines are animal-component-free and Xeno-free™



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).

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