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Human Noggin/NOG Recombinant Protein (85-332)

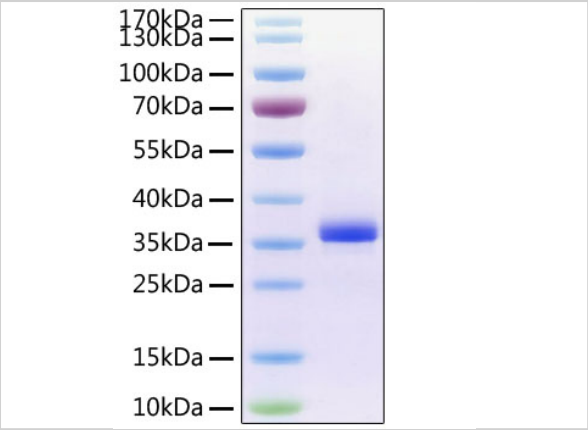
CATALOG NUMBER: 85-332

Specifications

Species	Human
Source Species	HEK293 cells
Fusion Tag	C-His
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	23.89 kDa
Biological Activity	1.Measured by its binding ability in a functional ELISA. Immobilized Human BMP2 at 1 μg/mL (100 μL/well) can bind Noggin with a linear range of 2-57 ng/mL. 2. Measured by its binding ability in a functional ELISA.Immobilized Human BMP4 at 0.5 μg/mL (100 μL/well) can bind Noggin with a linear range of 4-47 ng/mL. 3.Measured by its binding ability in a functional ELISA. Immobilized Human Noggin at 1 μg/mL (100 μL/well) can bind Noggin Rabbit pAb with a linear range of 1-3.5 ng/mL. 4. Measured by its ability to inhibit BMP-4-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED_{50} for this effect is 13.28-53.12 ng/mL in the presence of 50 ng/mL of recombinant human BMP-4, corresponding to a specific activity of 1.88×10^4-7.53×10^4 units/mg.

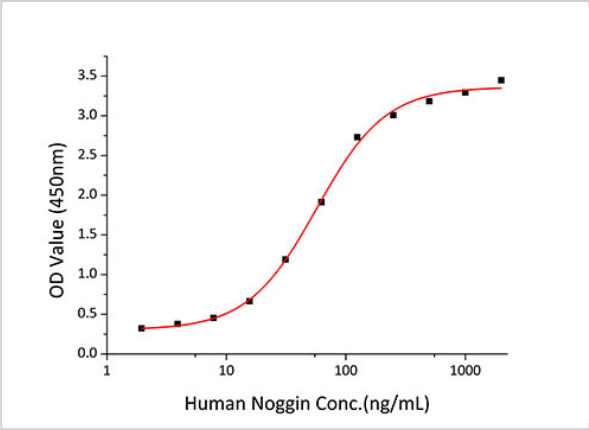
Properties

Purity	≥ 95 % as determined by SDS-PAGE.
Physical State	Lyophilized
Buffer	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.
Storage Conditions	Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.



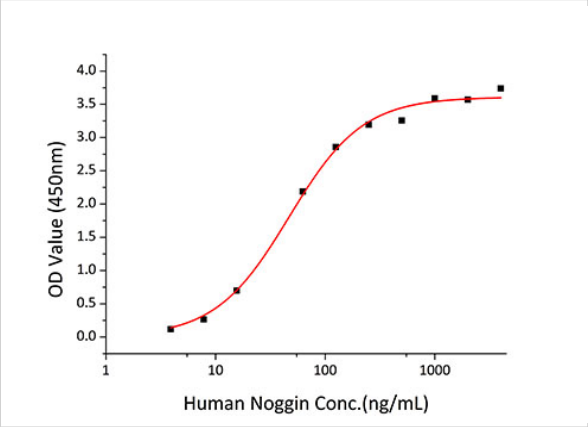
85-332_1

Recombinant Human Noggin/NOG Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



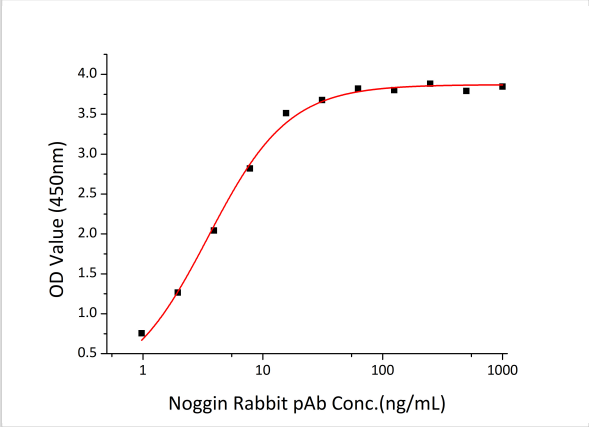
85-332_2

Immobilized recombinant Human BMP2 at 1 μg/mL (100 μL/well) can bind Noggin with a linear range of 2-57 ng/mL.



85-332_3

Immobilized recombinant Human BMP4 at 0.5 μg/mL (100 μL/well) can bind Noggin with a linear range of 4-47 ng/mL.



85-332_4

Immobilized Human Noggin at 1 μg/mL (100 μL/well) can bind Noggin Rabbit pAb with a linear range of 1-3.5 ng/mL.

Disclaimer

Disclaimer	Products are intended for laboratory research purposes only and should be used by qualified personnel only. They are not intended for use in humans. ProSci is not liable for damages or injuries resulting from receipt and/or use of ProSci materials. Please refer to the Material Safety Data Sheet (MSDS) for safe storage, handling, and use procedures.

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