

Recombinant Human Noggin/NOG Protein

RPES0723

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES0723

Purity: > 95 % as determined by reducing SDS-PAGE.

Contents: 50µg, 10µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 0.01 EU per µg of the protein as determined by the LAL method.

Synonyms: NOG, Noggin

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Store Bradford Reagent at Room Temperature for 1 year.

Tag: None

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: Measured by its ability to inhibit BMP-4 induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED50 for this effect is 10-100ng/mL in the presence of 200 ng/mL of Recombinant Human BMP- 4(#CR93).

Calculated MW: 23 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 500mM NaCl, 2mM EDTA, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 25-33 kDa

Reconstitution: Please refer to the printed manual for detailed information. Measured by its ability to inhibit BMP-4 induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. The ED50 for this effect is 10-100ng/mL in the presence of 200 ng/mL of Recombinant Human BMP- 4(#CR93).

Accession: Q13253

Source: HEK293 Cells-derived Human Noggin/NOG protein Gln28-Cys232

Sequence: Gln28-Cys232

Form: Lyophilized powder

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Notes: Centrifuge before opening to ensure complete recovery of vial contents.